The CHEMIST AND DRUGGIST

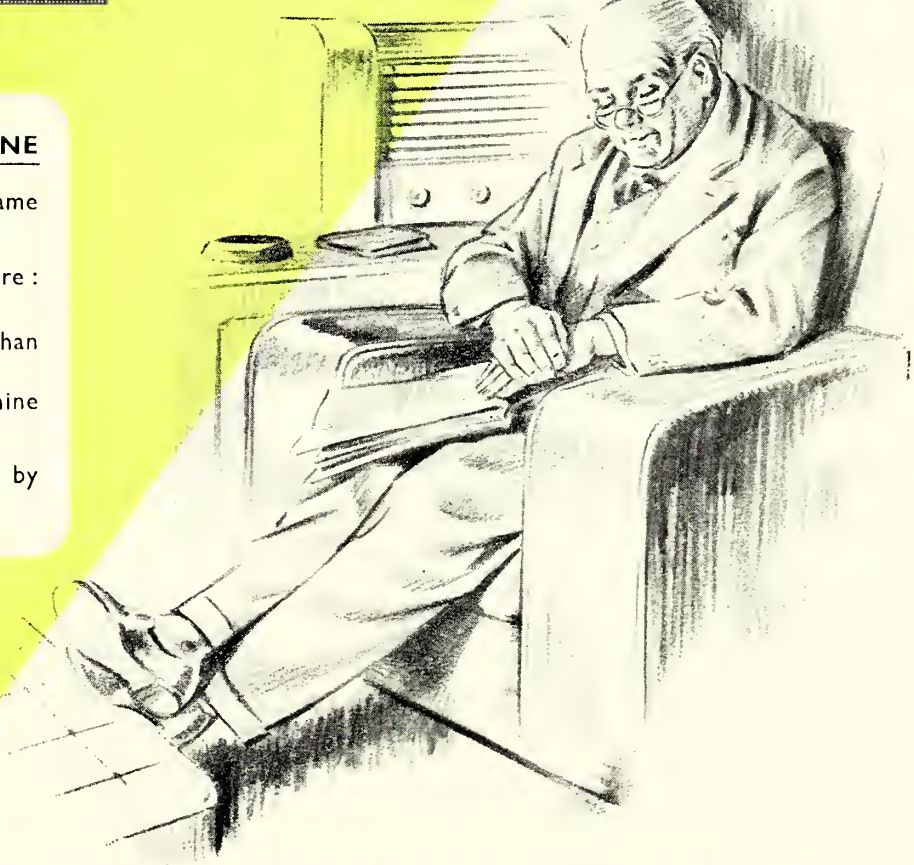
For Retailer, Wholesaler and Manufacturer

FEBRUARY 6 1954

ETHNINE

a NEW cough sedative for adults + children, containing

PHOLCODINE



CONCERNING PHOLCODINE

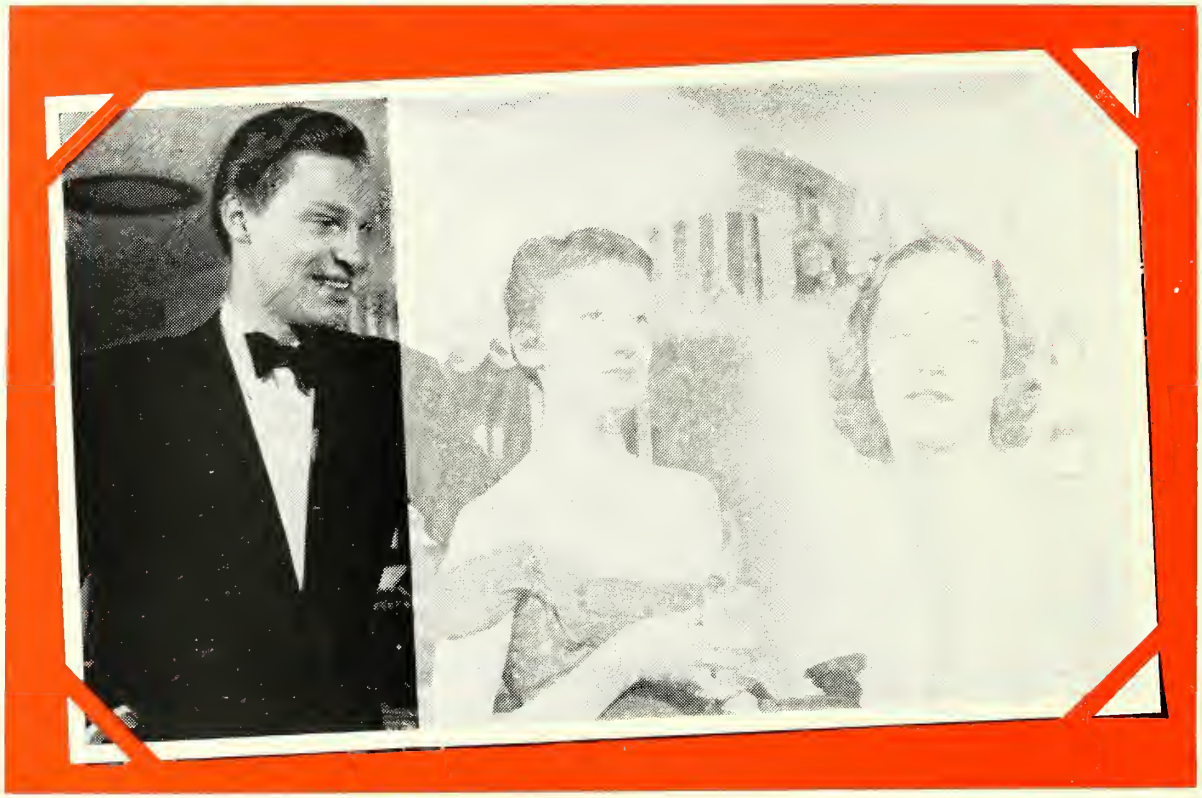
1 Pholcodine is the approved name for Morpholinylethylmorphine.

2 The properties of Pholcodine are:
Less toxic than Codeine.
Higher anti-tussive factor than Codeine.
Less constipating than Morphine or Codeine.

3 Pholcodine is manufactured by Allen & Hanburys Ltd.

PRESENTATION OF ETHNINE
DISPENSING PACK of **80** fluid ounces
And in bottles of **4** fluid ounces.
3/- EXEMPT PURCHASE TAX

Needs to be developed fully!



One-third of the market already uses a denture cleaner . . . two-thirds await development

1 in 3 of the twenty million denture wearers already use a specific denture cleaner. But the other two-thirds still use makeshifts. Even kitchen scourers!

Research shows that when customers try Steradent they keep on buying it. Steradent's lively, new biggest-ever advertising is aimed at those remaining two-thirds!

So just show your customers that you stock Steradent and (if we may strain the metaphor beyond endurance!) . . .

Develop the other two with

Steradent REGD. Specially made for cleaning dentures

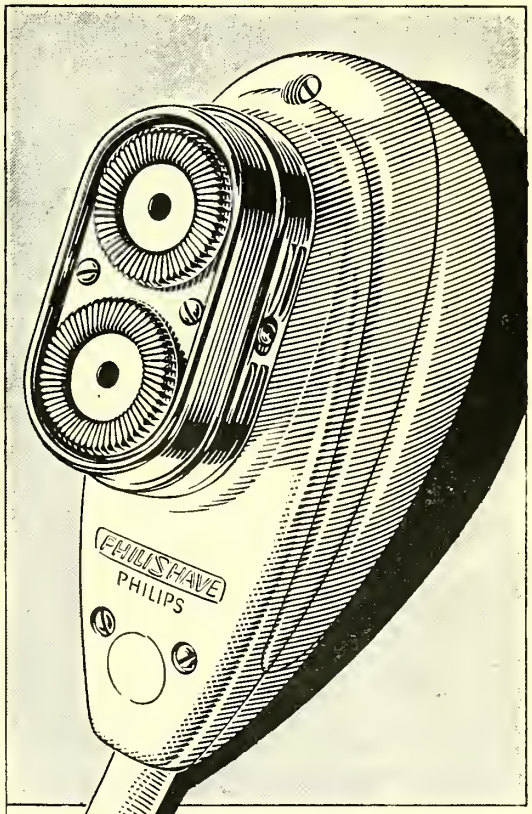
BIG INCREASE IN PHILISHAVE SALES!

Outstanding success of new BI-AX Shaving Head

All over the country there has been a steady rise in Philishave sales. The new model with the exclusive BI-AX Shaving Head has more than justified the claims we have made for it. Trade and public agree that it gives a much quicker, easier, cleaner shave than ever before, and demand is increasing all the time. Throughout the coming months 'Philishave' advertisements will appear regularly in the "Daily Express" and good quality men's magazines.

Remember these sales points:-

- **36,000 genuine shaving actions a minute.**
- **All hairs properly trapped.**
- **Easy to hold — fits the shape of your hand.**
- **Gentle skin s-t-r-e-t-c-h-e-r — so that hairs can be shaved closer.**
- **Easy to clean.**
- **Exceptionally quiet.**



For AC/DC mains 110-130 and 200-250 volts or 120 volt dry battery of medium or heavy duty type. Plugs into lamp socket if desired. Retail price —complete with case or leather pouch—

£7.9.3 (TAX PAID)

PHILIPS *New*

PHILIPS

PHILISHAVE

DRY SHAVER

PHILIPS NEW PHILISHAVE DRY SHAVER WITH EXCLUSIVE BI-AX Shaving Head

If you are not already selling Philishave, and getting your share of the big demand, write to our Electrical Appliances Group, who will gladly arrange for a representative to call and give you selling details, etc.

PHILIPS ELECTRICAL LIMITED · CENTURY HOUSE · SHAFTESBURY AVENUE · LONDON, W.C.2

A

More and more prescriptions call for

arthripax cream and tablets

Physicians are prescribing—pharmacists are dispensing—more and more **arthripax cream and tablets** providing safe and effective dual control of the pain-spasm cycle of **rheumatic disorders generally, including fibrositis, rheumatoid arthritis, sciatica, lumbago and neuritis.**

arthripax cream and tablets are freely prescribable on E.C.10.

These preparations, since their recent introduction, are being constantly detailed to the medical profession by personal representation backed by regular mailings and a full programme of advertising in the medical and nursing press.

arthripax cream

Retail 1-*oz. tube* **3/4** *each (incl. P.T.) trade*—**24/-** *doz.* (**6/-** *P.T.*)
Dispensing—trade 4-*oz. pots* **5/8** *plus P.T.* 8-*oz. pots* **9/4** *plus P.T.*

arthripax tablets

Retail 64 *tablets* **7/10** *each (incl. P.T.) trade*—**56/-** *per doz.* (**14/-** *P.T.*)
Dispensing—trade 100 *tablets* **6/8** *plus P.T.* 250 *tablets* **15/4** *plus P.T.*

Arthripax cream and tablets are available from all wholesalers.

C.P.L

Orders for arthripax can be included on 'CPL' Special Bonus Terms of 10% *extra discount on orders for 'CPL' preparations to the net value of £5 or over.*
Detailed Price List on request.

CLINICAL PRODUCTS LTD., RICHMOND, SURREY

Telephones RIChmond 4023/24 4409 5931

A NEW Chemists speciality by EVANS MEDICAL

MICROBAN

TRADE MARK

Antiseptic Cream

(CONTAINING AMINACRINE)

for First-Aid in Homes and Factories

AMINACRINE HYDROCHLORIDE, now recognized as the ideal first-aid antiseptic on account of its low toxicity and non-staining character, is the active constituent of MICROBAN, Evans Medical's new antiseptic cream. Bland, non-greasy, MICROBAN is effective against a wide range of bacteria; and the name of Evans Medical guarantees the high quality of a product you can recommend with complete confidence.

MICROBAN is issued in attractive blue tubes, and handsome display outers are provided with quantities of one dozen.

RETAIL PRICE 1/9 PER 25 G.TUBE. WHOLESALE PRICE 14/- PER DOZEN TAX FREE

A quick-selling line in the
CHILBAN and RUBAN series
made by Evans Medical Supplies Ltd

465

LIVERPOOL: SPEKE, LIVERPOOL 19 · **LONDON:** RUISLIP, MIDDLESEX · **NEWCASTLE:** TOWER HOUSE, TOWER ST., NEWCASTLE UPON TYNE
SWANSEA: 4 MARINER STREET, SWANSEA · **GLASGOW AGENTS:** THE NEW APOTHECARIES CO. LTD, 59 GLASSFORD STREET, GLASGOW, C.1

MAKE SURE OF THOSE DISCOUNTS

New System Saves Time and Labour Yet Ensures Discount Reminders and Immediate Balances.

Chemists have so many items purchased from so many suppliers — with invoices coming in at each post. Invoice trouble is a common complaint.

A new speedy and flexible system has been devised at the request of many Chemists to overcome this difficulty.

Based on simple principles approved by the Accountancy profession, it not only reduces paper work but ensures the payment in time for special discounts.

A single binder contains a number of visible records — one for each supplier.

The edge of each record overlaps and is permanently visible. No pages to thumb through — a glance and a flick and you have the supplier. And on this visible edge is a colour signal to flash the latest time for discounts.

Invoices, as they come in, are safely housed in compact files pending a convenient moment. Quick and simple posting to the visible record, with an adjusted balance, enables an instant check of supplier's statement to be made. At any time a ledger balance can be struck in a matter of minutes. Annual audits are simplified.

The system is flexible. New suppliers can be entered in correct order quickly and auxiliary sheets can be added to cover considerable deliveries.

No wasted time on invoice posting . . . less paper work . . . . quicker balance and statement check . . . . and payment on time for discounts. Many Chemists advise us that the modest cost is covered by this last saving alone.

Just write " Chemists Sales & Purchase Ledger " on your letterheading or billhead for full details by return.

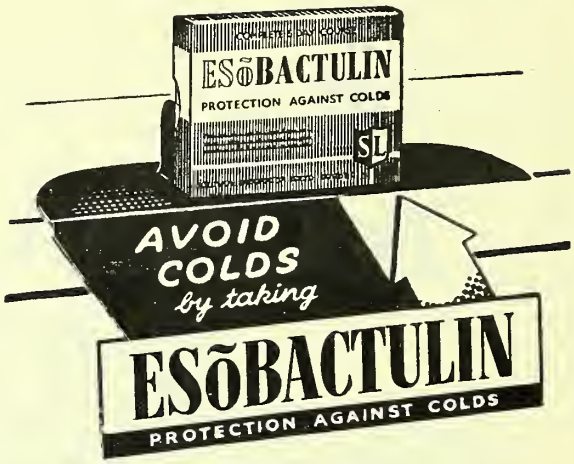
This simple principle has also been applied to Stocks and Customer Records. Add these if you require details.

Shannon Systems

FIRST IN FILING

THE SHANNON LTD.

124 Shannon Corner, New Malden, Surrey.



A REMINDER

Now is the time to remind your customers about ESOBACTULIN—if they are to remain free from colds this winter.

DISPLAY NOW AND GET RESULTS

Retail Price 7/10½d. inc. P. Tax.

33⅓% Discount plus Bonus 13 to the dozen.

Supplied through your usual Wholesaler.

SOUTHON LABORATORIES LTD.

84-88, UPPER RICHMOND ROAD, LONDON, S.W.15

Baby take a bow!

REGISTERED TRADE MARK

HYPAK

BRAND

Nursery Bags.

CREATE RECORD SALES FOR CHEMISTS

Hypak Nursery Bags keep Baby's feeding utensils, clothes, toys and bed linen completely protected from all germs, dust dirt and dampness. They're ideal too for carrying soiled nappies and clothes when travelling or visiting. Mothers have been quick to realise the advantages of this new line which is making up record sales in Chemists everywhere. Retail price is 4/9 per pack.

To HYPAK Division of

The OPPENHEIMER CASING Co. (U.K.) Ltd., 159-165 Harrow Rd., London, W.2

(insert Retailer or Wholesaler)

As a ..... I am interested in HYPAK Nursery Bags

Name .....

Address ..... (C & D 6/2/54)

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From the Carnegie Range of Fine Chemicals

AMINOPHYLLINE, B.P.

A Fine White Odourless Powder

CARNEGIES OF WELWYN LTD

Telegrams : 'CARNEGIES, WELWYN GARDEN CITY'

Telephone : WELWYN GARDEN 5001

(6 lines)

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Of special interest to Diabetics

SINCE no sugar is used in the making, these refreshing fruit drinks can be enjoyed by diabetics. Rose's Diabetic Lime Juice costs 3/6 a bottle. The Fruit Squashes—orange or lemon—are 3/- a bottle.

ROSE'S *DIABETIC* FRUIT DRINKS

FROM HEALTH FOOD STORES AND LEADING CHEMISTS

Notice to Retailers

PURCHASE TAX AND THE 1954 BUDGET

In common with other Companies in the Beecham Group, Macleans have decided to offer retailers protection against loss caused by reduction of Purchase Tax on goods purchased by non registered retailers direct from the Company between February 1st. and Budget Day, in accordance with the following terms :—

1. GOODS INVOICED IN THE PERIOD BETWEEN 1st. MARCH 1954 and BUDGET DAY

Macleans will credit retailers with 50% of any reduction in Purchase Tax on all direct purchases during this period, irrespective of any sales made by them prior to the Budget.

2. GOODS INVOICED IN THE PERIOD 1st. to 28th. FEBRUARY 1954

It is believed that goods invoiced in this period, will largely be sold before Budget Day. Macleans, however, will credit 25% of any reduction of Purchase Tax on all direct purchases during this period, irrespective of any sales of these goods prior to the Budget.

Experience in past years has shown that public demand will not be affected appreciably by considerations of Purchase Tax as the effect on the retail price of any unit cannot be very great. Advertising will continue at its usual high rate during the pre-Budget period.

MACLEANS PEROXIDE TOOTH PASTE
MACLEANS SOLID DENTIFRICE
MACLEAN BRAND STOMACH POWDER & TABLETS
NEW MACLEANS TABLETS
MAC BRAND THROAT SWEETS
MACLEANS LENS CLEANERS
ENO'S "FRUIT SALT"
DINNEFORD'S FLUID MAGNESIA
YEAST-VITE
FYNNON SALT
BRISTOW'S LANOLIN SHAMPOO
BRISTOW'S LANOLIN SOAP
LEMSKIN HAND JELLY

MACLEANS Limited

GREAT WEST ROAD · BRENTFORD · MIDDLESEX

If it's to be in TABLET form—

ARTHUR H. COX & CO. LTD. have one of the most extensive tablet manufacturing and sugar coating plants in the world.

You can rely on— ARTHUR H. Cox of BRIGHTON & CO. LTD.

Happy and healthy with 'RADIO-MALT'

"Wrap them up warm, give them Radio-Malt — and then don't worry."

That is the best seasonable advice you can give to anxious parents. And they will take it, almost as readily as children take delicious Radio-Malt, because they know that an established vitamin preparation, nice to eat, is their soundest safeguard.

A reminder to parents is always seasonable. A Radio-Malt showcard in your window or on the counter is very effective.

		TRADE:	RETAIL:
Price: 1 lb.	-	2/5½	3/6
,, 2 lb.	-	4/2	6/-

Quantity terms on application.

THE BRITISH DRUG HOUSES LTD. LONDON · N.1

RM/T/11

ATIONAL ADVERTISING PROMOTES

IGGER THAN EVER SALES

RD SELLING advertising in top culation journals appears now for andy-Andies. These wet-strong, hem stitched' hankies with *three* hicknesses of super soft tissue are ast becoming a national favourite.

JUST LOOK AT THIS PROFIT MARGIN

Another best seller and another best-ever profit margin from St. Andrew Mills Ltd.

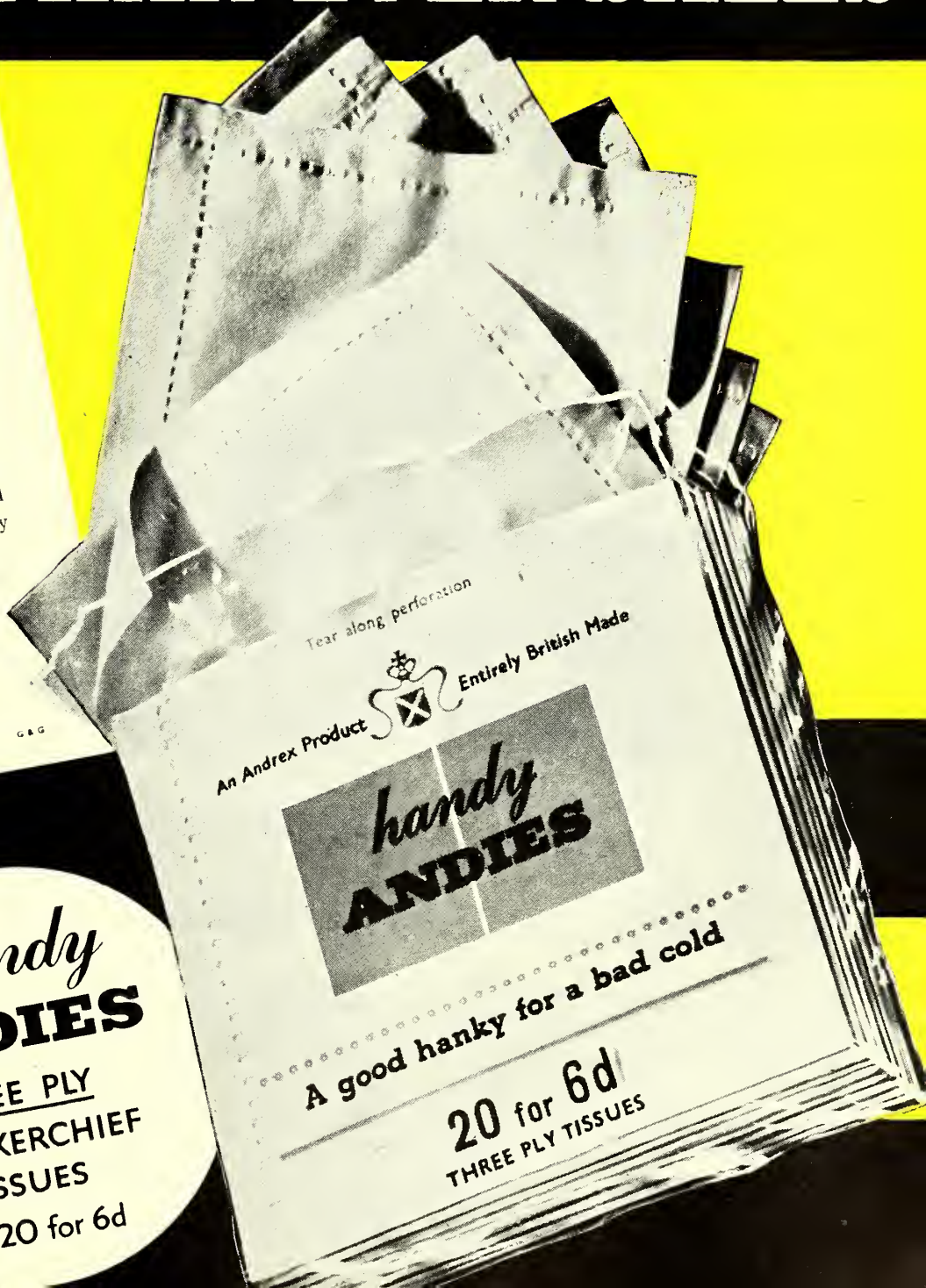
Retail 6d. a packet. Trade 4/- a dozen.

Order now through your usual wholesaler—really attractive display outers are supplied for easy dispensing. Showcards also available.

An Andrex Product

ENTIRELY BRITISH MADE AT
ST. ANDREW MILLS LTD., LONDON, E.17

G & G



handy
ANDIES
THREE PLY
HANDKERCHIEF
TISSUES
20 for 6d

USE THIS FREE DISPLAY *apply to* C·O·I·L

The HANDIMAG has proved one of the most popular of the C.O.I.L. magnifiers. Lightweight (it weighs only an ounce), of high power and attractively boxed (as illustrated), it is at its retail price of 6/6d. —outstanding value for money.

HANDIMAG

This eye-catching display is supplied free with six HANDIMAGS. Well-designed and firmly made, it is a profitable contribution to YOUR counter and window display and lends valuable support to the consistently high sales of C.O.I.L. magnifiers. Subject to Wholesale and Retail trade discounts and obtainable from the manufacturers:—

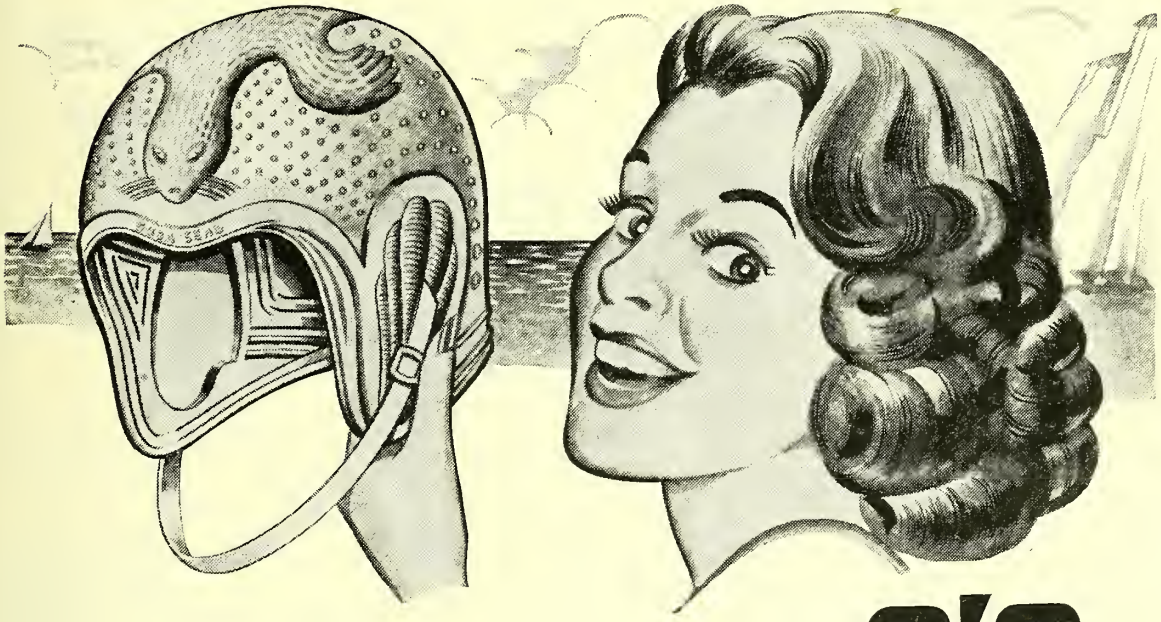
C·O·I·L

COMBINED OPTICAL INDUSTRIES LIMITED

11-13 ST. BRIDE STREET · LONDON E.C.4 · Central 0073

She's glad you recommended a luxury BATHING CAP

REGISTERED SUBA-SEAL TRADE MARK



at the new low price – 3/6

INDIVIDUALLY PACKED

in attractive cellophane with instruction for fitting, which will sell this splendid Cap on sight.

You can have the greatest confidence in recommending "SUBA-SEAL" Bathing Caps because you KNOW that the moulded serrations on the internal edges form a complete vacuum seal that excludes water from the hair, under all conditions. Designed on a unique three-point triangular stress principle, with adjustable strap, and in a sleek becoming shape with a superb glossy finish. In lovely pastel shades of pink, blue, green, lemon, or white.

Formerly priced at 4/8d., but enormous demand, and greatly increased output has enabled us to reduce the price to 3/6d. retail. This is a line in big demand. Share in the fast, profitable sales NOW!

A Sure, easy selling line

SUBA MAID

SEA-SHORE BUCKET

These colourful, moulded rubber buckets are positively harmless ... cannot rust or scratch child or adult. Unbreakable and flexible for easy packing. Sell like wildfire at 2/9d. each. Place your order at once.

WILLIAM FREEMAN & COMPANY LIMITED

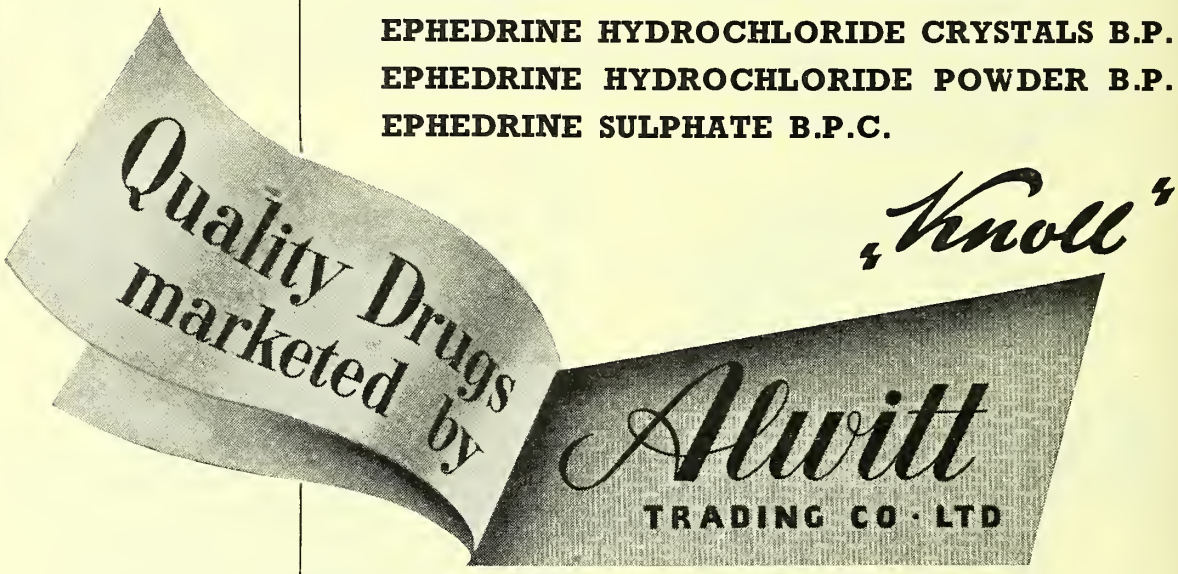
"SUBA-SEAL" WORKS, PEEL ST., BARNSLEY.

Telephone: 4081. Telegrams: SUBA-SEAL, BARNSLEY.

C

Ephedrine Alkaloid B.P.

EPHEDRINE ALKALOID ANHYDROUS B.P.C.
EPHEDRINE HYDROCHLORIDE CRYSTALS B.P.
EPHEDRINE HYDROCHLORIDE POWDER B.P.
EPHEDRINE SULPHATE B.P.C.



1 BROAD STREET PLACE, LONDON, E.C.2
Telephone: London Wall 7966 (5 lines)
Telegrams: Wosmater Ave London.
Cables: Wosmater, London

BISMUTH SUBGALLATE

Applied externally in cases of

DERMATITIS
ECZEMA
WOUNDS
BURNS

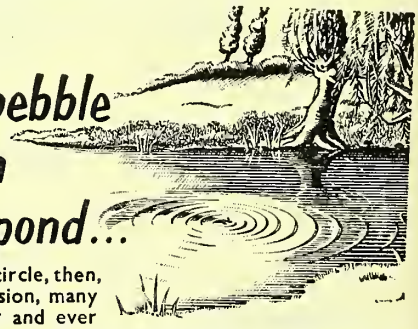
ensures

Protection from trauma
Prevention of infection
Rapid healing

Recent investigations have shown conclusively that in the treatment of chronic eczema and dermatitis Bismuth subgallate has succeeded where other remedies have failed.

Full data and free samples from

MINING & CHEMICAL PRODUCTS, LTD.,
Bismuth Research Dept.,
86 STRAND, LONDON, W.C.2



like a pebble thrown into a pond...

First, one small circle, then, in quick succession, many others — wider and ever wider. So the good news about DIUROMIL spreads—one person who has derived benefit tells others, and so ad infinitum. Perhaps, in your district, the first "pebble" was thrown by you recommending DIUROMIL for

RHEUMATISM · GOUT · LUMBAGO · FIBROSITIS
CYSTITIS · PYELITIS

DIUROMIL is regularly advertised in the National and Provincial Daily and Sunday Press, also on Screens of London and Provincial Theatres.

NOW

Diuromil

Standard (approx. 3 oz.) .. 5/4½d. Inc.
Large, 8 oz. .. .. .. 11/10½d. P.T.

Very attractive show material gladly sent on request

PHARMAX LTD., Old Hill, Chislehurst, Kent

A PHARMAX PRODUCT

M. W. HARDY & CO. (OVERSEAS) LTD

Pinners Hall · Great Winchester St. · London · E.C.2

WORLD EXPORT AGENTS

for

PENICILLIN PREPARATIONS

MANUFACTURED BY

Richard Daniel & Son LTD Derby

THE RANGE INCLUDES

LOZENGES · TABLETS · OINTMENTS · Etc.

Aids to Dispensing Outfits of Cream and Drops

GENTLEMEN EVERYWHERE ARE FINDING

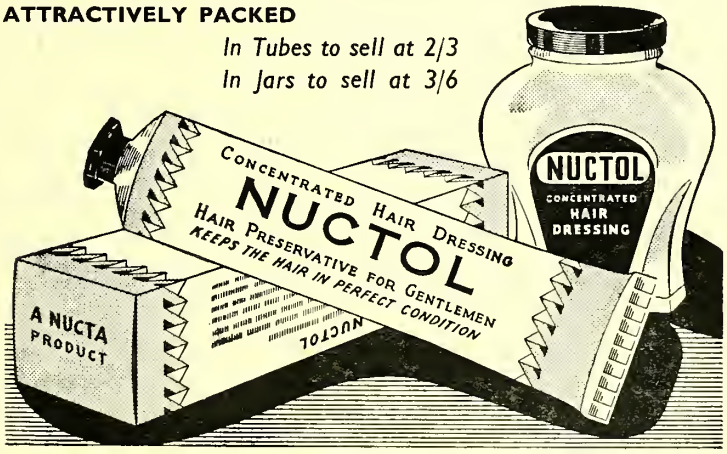
NUCTOL HAIR DRESSING

THE MOST MASTERLY FOR HAIR CONTROL

Chemists everywhere should stock to meet increasing sales

ATTRACTIVELY PACKED

In Tubes to sell at 2/3
In Jars to sell at 3/6



Order from your usual wholesaler or direct from the manufacturers:—

STEWART, GOODALL & DUNLOP LTD. EDINBURGH

Wisdom's 2-way Bonus

TAKE YOUR CHOICE OF FIXED PARCELS

Either you order what you like under the Wisdom Points Bonus Scheme or you can take your choice of the 3 parcels detailed below.

OPEN PARCEL 'A'
TOTAL 3 DOZEN

Provided your order totals 3 dozen you can make it up any way you like from the following brushes:

FLEXTRON
2/3d BRISTLE
MOUTHBRUSH
'EXTRA'

YOU GET FREE
3 'EXTRA' BRUSHES
VALUE 5/-

FIXED PARCEL 'B'
TOTAL 6 DOZEN

You specify your own textures but must order the quantities of the three brushes listed.

FLEXTRON	**2 DOZ.**
2/3d BRISTLE	**2 DOZ.**
'EXTRA'	**2 DOZ.**

YOU GET FREE
9 FLEXTRON
VALUE 20/3

FIXED PARCEL 'C'
TOTAL 1 GROSS

You specify your own textures but you must order the quantities of the four brushes listed.

FLEXTRON	**3 DOZ.**
2/3d BRISTLE	**3 DOZ.**
MOUTHBRUSH	**3 DOZ.**
'EXTRA'	**3 DOZ.**

YOU GET FREE
24 FLEXTRON
VALUE 54/-

Scheme

OR POINTS BONUS SCHEME

LAST year we tried out a Points Bonus Scheme for Wisdom. This experiment was made because so many retailers had raised objections to fixed parcels.

Most retailers welcomed the idea, but inevitably there were some who didn't like working out their points and said they much preferred the fixed parcels.

This year we are trying to satisfy everyone. The points bonus scheme is available on the same lines as last year. There are also 3 fixed parcels for those who prefer them.

Whichever alternative you choose, you will find your total rate of profit is very handsome indeed. *In fact, by taking fullest advantage of quantity terms as well as bonus, you can very nearly double your money.*

As you know, Wisdom moves twice as fast as the next most popular toothbrush. You know that it is always backed by powerful advertising which appears all the year round. In fact, you can be confident when you place a bonus order for Wisdom that it will not only show you a good profit but also a quick one. If you have not already received an order form, ask your wholesaler for one, or write to:

ADDIS LIMITED, BRUSHWORKS, HERTFORD

Edible BONE Phosphate

Presents

CALCIUM and PHOSPHORUS IN THEIR MOST READILY ASSIMILATED FORM

Available as a white, sterile, free-flowing powder in 200, 100, and 50 mesh.

• *FULL PARTICULARS, SAMPLES, AND PRICES ON REQUEST.*

CALFOS LTD., IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2 · *Phone:* TEMple Bar 3629

Lusty's

For Prompt Delivery

MEDICATED CONFECTIONERY
Linseed, Liquorice and Chloro. Lozenges.
Balm of Gilead Pastilles.
Skeltons Herbal Cough Lozenges. (2 oz. cartons.)
Potters Winter Cherry Pastilles. (2 oz. tins.)

HERBALENE · GARLIC PERLES & TABLETS
SEAWEED PREPARATIONS · PURE YEAST TABLETS
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PILEWORT & WITCH HAZEL SUPPOSITORIES
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MEDICINAL HERBS IN 5d. PACKETS
HERBAL SMOKING MIXTURES (In bulk & packed)
NATURAL HERB TABLETS · CULINARY HERBS

Pills and Tablets supplied to own formula bulk or packed.

YOUR ENQUIRIES WELCOMED
TRADE TERMS ON REQUEST

LUSTY'S NATURAL PRODUCTS CO.
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Luxan AND Luxol
SANITARY TOWELS

Attractive Sales Aids are Available
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THEY MAY SOON BE DOWN WITH 'flu!

Will you be able to meet the DEMAND FOR LUCOZADE?

'Flu strikes every winter and so do all sorts of other weakening illnesses. That's why every year, about this time, the demand for Lucozade increases tremendously. Will you be able to meet this increased demand or do your stocks only cover your present requirements?

Advertisements like this one will tell everybody in the country how good Lucozade is for common winter ailments — and how necessary it is during the convalescing period.

ORDER MORE LUCOZADE NOW!

DON'T LET YOUR CUSTOMERS DOWN KEEP YOUR LUCOZADE STOCKS UP!

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Purchase Tax and the 1954 Budget

SPECIAL OFFER ON DIRECT ACCOUNTS FOR

BRYLCREEM, SILVIKRIN, AMAMI

AND ALL COUNTY PERFUMERY PRODUCTS

County Perfumery Co. Ltd. are pleased to announce the following special offer to protect retailers against loss of purchase tax paid on stock in the event of a reduction of tax being announced in the Budget.

1 **On any goods invoiced by County Perfumery Company Ltd. to a retailer between 1st March and Budget Day inclusive, 50% of any reduction in purchase tax will be refunded.**

2 **On any goods invoiced by County Perfumery Company Ltd. to a retailer between 1st and 28th February inclusive, 25% of any reduction in purchase tax will be refunded.**

This offer applies whether or not any part of the consignment has been sold before Budget Day, and will operate automatically without any special notice or contract.

If you have not received a letter giving full details of this offer, please write to County Perfumery Company Limited, County Building, Honeypot Lane, Stanmore, Middlesex.

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KIRBY

LONDON

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TABLETS
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PESSARIES · SUPPOSITORIES · SOLUTION TABLETS
PENICILLIN PRODUCTS · OINTMENTS FOR THE EYE
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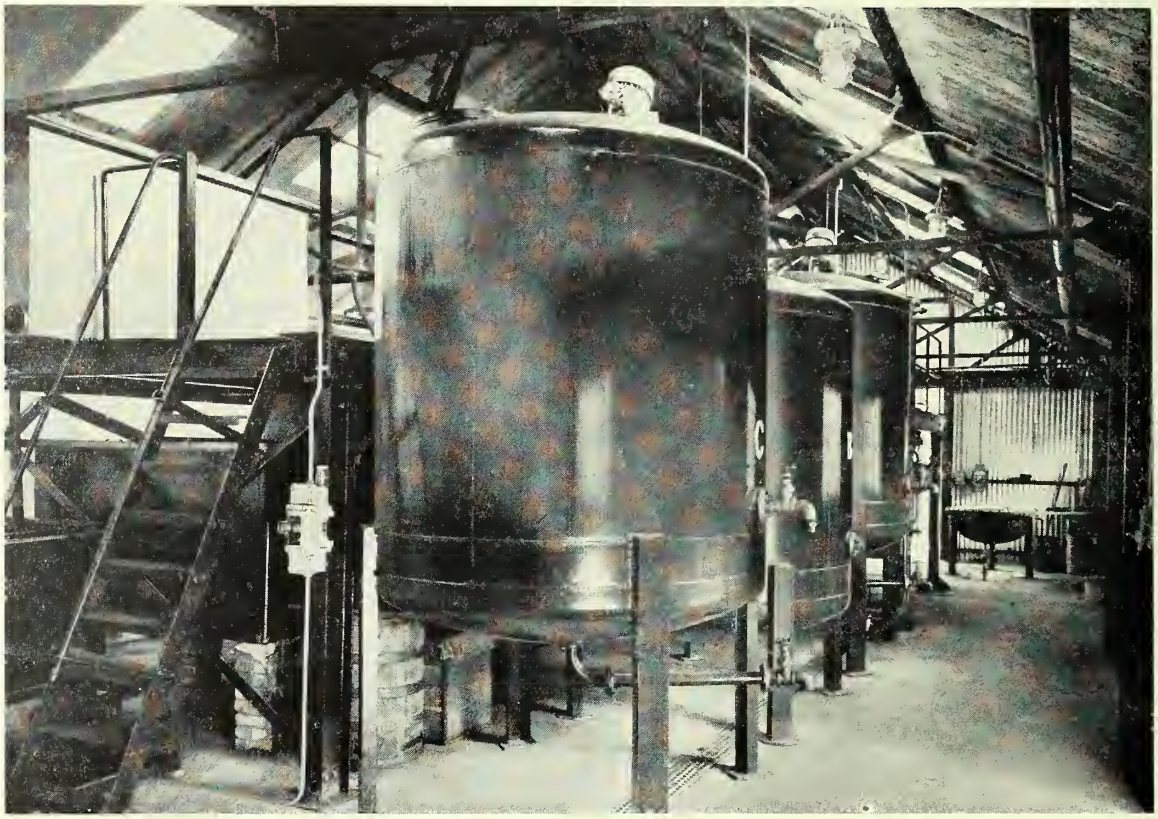

A section of Ransom's new chlorophyll production plant

Meeting the demand for

RANSOM'S CHLOROPHYLL

The enormous increase in the demand for Ransom's Chlorophyll during recent years has made a particularly heavy call on the Company's production capacity. To meet this demand, further acreage has been devoted to the cultivation of raw materials at Ransom's farm at St. Ives, Huntingdon, and considerable extensions have been made to the Company's chlorophyll production plant in Hitchin. As a result of these developments a wide range of highly concentrated chlorophyll is now available for all pharmaceutical and industrial purposes. Technical advice on the use of Ransom's chlorophyll will be given on request through the Company's research departments.

Ransom's are the original manufacturers of chlorophyll in Great Britain.

Manufacturing Chemists and Growers of Medicinal Plants for over a Century

WILLIAM RANSOM & SON LTD.

Hitchin Hertfordshire England

TO ANNOUNCE THE NEW AND UNIQUE SWIMMING CAP...

Trident

REAL COMFORT *and* DRY HAIR

THE SECRET IS IN THE SUCTION CUPS

Individually packed in attractive five colour Display Carton

THE CAP WITH ALL THE ESSENTIAL FEATURES

- FEATHERWEIGHT COMFORT
- POSITIVELY WATERTIGHT
- LONG LASTING

ADVERTISING Campaign in Consumer Press with a coverage of over 40,000,000 includes Radio Times and all leading Womens Weekly and Monthly Publications backed by full colour point of Sale Material

PLEASE ORDER FROM YOUR USUAL WHOLESALER

OTHER SUBMARINE SWIMMING CAPS FROM 2/11 RETAIL

RETAIL PRICE INCLUDING P.T.

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W. W. HAFFENDEN LTD. - RICHBOROUGH RUBBER WORKS - SANDWICH - KENT

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LUNG TONIC

PASTILLES

SOLUBLE ASPIRIN

Write now for full price list of **OWBRIDGE'S LUNG TONIC, PASTILLES and ASPIRIN**

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Manufacturers of Drug Extracts for all purposes

L-ASPARAGIN,
pure - Natural,
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COLCHICIN, B.P.1953,
USP. XIII,
MALE FERN EXTRACT,
B.P. 1953

The dye that pleases your customers is

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the world's largest selling dye

★ *SUPERB QUALITY.*
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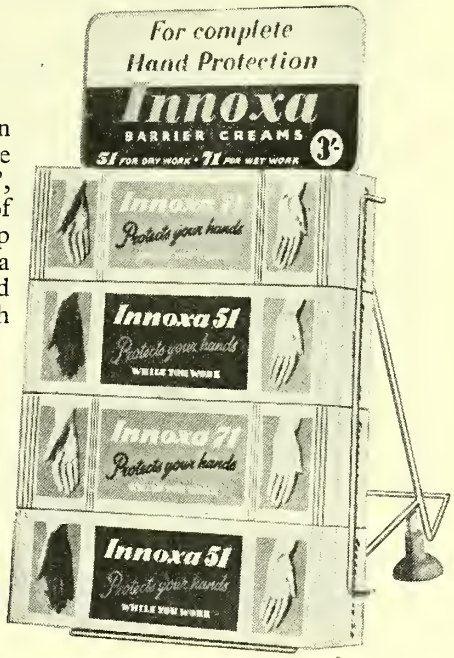
C.V.B
CARR'S VITAMIN B1

PREPARED WHEAT GERM
A RICH NATURAL SOURCE OF
VITAMINS B and E
TWO SIZES **1/9 or 3/-**
Trade 16/- doz. or 27/- doz. FREE NON-RETURNABLE CARTONS
From Principal Wholesalers or from the Manufacturers
CARR'S CEREAL PRODUCTS LTD.
CARLISLE

Innoxa 5 Star Display Bonus opens the Barrier Cream Months

SELLING HELP AND EXTRA PROFIT FOR EVERY CHEMIST!

Innoxa Barrier Cream on show—sells. This year it sells more than ever—thanks to the entirely new Innoxa advertising, which will be reaching the public in their millions through "News of the World", "Sunday Pictorial", "Sunday Express" and "Woman"—four of the most powerful carriers any sales-message could have! To help you reap full benefits from the new demand, Innoxa are offering a special display bonus parcel to every chemist during January and February. With it, you can make sure of peak profits right through the peak-selling months!



Self-Service Counter Display Unit for Innoxa Barrier Creams

This practical and compact self-service counter display unit is supplied to all who order the Innoxa Bonus Parcel

Innoxa Showcard and Leaflets

The Innoxa Showcard identifies your shop with the Innoxa Press Advertising—at the right time and when interest is at its highest. The Innoxa Barrier Cream story is a story every woman wants to read—a story she will want to repeat to her friends. The Innoxa Leaflets tell the Barrier Cream story in full.

—and behind it all the most unusual advertising campaign of the year.

Two hands tell the Innoxa Story

Look for this advertising in these striking media.

NEWS OF THE WORLD · SUNDAY PICTORIAL SUNDAY EXPRESS and WOMAN

For Two Months Only!

The 5 Star Innoxa Bonus Parcel includes:—

In every order for the Innoxa Bonus Parcel containing 2 dozen Innoxa Barrier Cream '71,' in Mammoth Display cartons, and 1 dozen Innoxa Barrier Cream '51.'

- ★ **2 FREE Tubes of Innoxa '71'**
- ★ **1 FREE Tube of Innoxa '51'**
- ★ **Innoxa Barrier Cream Leaflets**
- ★ **Self-Service Counter Display Stand**
- ★ **A New Window Showcard!**

ORDER FROM YOUR USUAL WHOLESALER NOW!

Price 67/6d, plus 18/5d P.T. Retail price 3/- per tube.

Innoxa BARRIER CREAM ON SHOW—*SELLS!*

INNOXA (ENGLAND) LTD., NO. 1 EDEN STREET, LONDON, N.W.1

A new approach to the relief of muscle and joint pains without the use of counter-irritation

Algesal is stocked by all wholesalers and is manufactured by

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(E.G.H. Laboratories Ltd.)
PERU St · SALFORD · Lancs

The House of Haywood

ESTD. 1830

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TRUSSES
(all types)
ELASTIC
HOSIERY
SUSPENSORY
BANDAGES
ETC.

Distributors to the Trade of
PROPRIETARY MEDICINES
DRUGS & ETHICALS
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REGULAR VAN DELIVERIES

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47659 is the direct line for DRUGS & ETHICALS

A REALLY CONVENIENT PACK 1/6

PER SCREW LID TIN

NO MORE PRISING OFF LIDS WITH A THREEPENNY BIT OR FINGER NAILS!

Jelly Hand Cleansers are rapidly coming into regular use—sell the best and most attractively packed of all

EVERYONE NEEDS SWARFEGA

The finest jelly hand cleanser on the market

ORDER NOW *and be sure to ask for the* ***NEW PACK***

Enquiries through usual trade channels or direct to—

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SPENCER ROAD, BELPER, DERBYS. Tel.: 278

When your advice is sought .....

for a family laxative.

Compounded from the natural extracts of senna and figs with which suitable aromatic carminatives are combined, 'California Syrup of Figs' acts by stimulating the colon and secures elimination without irritation, discomfort or subsequent fatigue.

'California Syrup of Figs' perfectly meets the need for a mildly acting yet efficacious laxative suitable for all members of the family.

'California Syrup of Figs' REGD.

The other Phillips' Proven Products are:—

'Milk of Magnesia' REGD.

Of unsurpassed efficacy in the treatment of a wide variety of conditions associated with gastric acid disturbances.

'Mil-Par' REGD.

A genuinely mild evacuant ideally suited for administration to young infants, the enfeebled, sick or elderly.

'Milk of Magnesia' Tablets REGD.

Particularly valuable to the chronic or casual sufferer from dyspepsia and acid indigestion. Pleasantly mint flavoured.

Phillips' *Dental Magnesia* ***Toothpaste*** REGD.

A dentifrice of proved efficacy in keeping the teeth scrupulously clean. Contains 'Milk of Magnesia' to neutralize harmful mouth acids.

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD., 179 ACTON VALE, LONDON, W.3.

POUNDS, SHILLINGS & IMMENSE SALES FOR YOU

—and immense satisfaction for your Customers, too. It's healthy business to sell the "Popular" — an outstanding Health Lamp that is well built, adjustable and inexpensive.

STOCKED BY LEADING WHOLESALERS

The most competitive Infra-Red Lamp on the Market

90/-
RETAIL

Barber "POPULAR"
INFRA-RED LAMP

Send for details and list of approved Wholesale Stockists to :—

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ALUMINIUM GLYCINATE

of

PHARMACEUTICAL QUALITY

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PARK ROYAL · LONDON · N.W.10
Fine Chemical Factory, Feltham, Middlesex

To introduce

NURSE HARVEY'S BABY POWDER

the powder containing pure

OLIVE OIL

we are embarking on o strang campaign in the women's mogozines, reaching over eight million readers

EVERY MOTHER IN THE COUNTRY WILL KNOW ABOUT THIS OLIVE OIL BABY POWDER!

thraugh the farthcoming cantinuous advertising.

BE READY TO MEET THE DEMAND THERE IS SURE TO BE FOR THIS NEW
OLIVE OIL BABY POWDER

Generous trade terms and attractive display material available from —

O. Scruton & Co. Ltd., York

MADE BY THE MAKERS OF THE FAMOUS NURSE HARVEY'S MIXTURE

Now available—

THE NEW INSULINS

'WELLCOME' BRAND

Insulin Zinc Suspension (Amorphous)—Semilente

with an action of 12 to 18 hours

Insulin Zinc Suspension—Lente

with a duration of activity of about 24 hours

Insulin Zinc Suspension (Crystalline)—Ultralente

with an action of about 24 to 36 hours

These new insulins, which are entirely of British manufacture, consist of Insulin with zinc suspended in a special buffer ; no added protein is present. They may be mixed with each other to give intermediate duration of action, but they should not be mixed with other types of insulin.

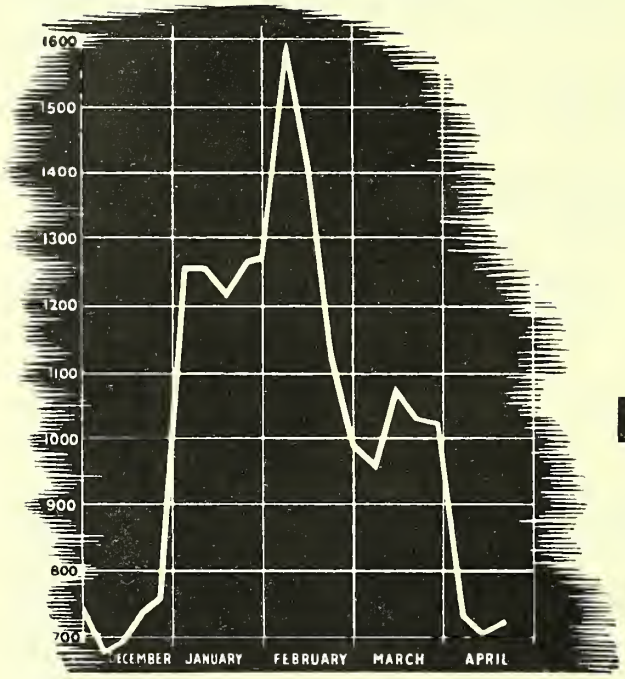
The full range of 'Wellcome' brand Insulin products now includes these Insulin Zinc Suspensions, unmodified Insulin, Globin Insulin, Protamine Zinc Insulin and Isophane Insulin (N.P.H.).

'WELLCOME' BRAND

INSULIN ZINC SUSPENSIONS

BURROUGHS WELLCOME & CO., LONDON

(THE WELLCOME FOUNDATION LTD.)



Febrile February

Between December and February the influenza deaths chart rises sharply . . . sometimes running into hundreds of deaths a week. The busy doctor naturally looks for an analgesic and sedative with proved antipyretic effect. Veganin, containing $\frac{1}{6}$ of a grain of codeine phosphate together with acetylsalicylic acid and phenacetin, has long been accepted as the analgesic, sedative and antipyretic of choice. May we suggest that you order an additional supply of Veganin in good time for the winter peak.

Packing and Prices

Veganin is supplied in tubes of 10 and 20 tablets. Retail Price 1/11 and 3/1 each (inc. P.T.): List Price 14/3 and 23/3 per doz. (excl. P.T.): also to Chemists in dispensing packs of 100 and 500 tablets at 6/3 and 27/1 free of P.T. when prescribed either privately or on the N.H.S.

VEGANIN

No Warner preparation has ever been advertised to the public.

WILLIAM R. WARNER & CO. LTD., Power Road, London, W.4.

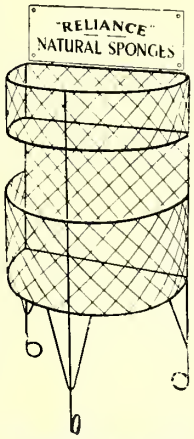
'RELIANCE' NATURAL SPONGES

REQUESTED EVERYWHERE —naturally

MORE AND MORE PEOPLE ARE REALISING THAT NO SUBSTITUTE CAN EQUAL THE QUALITIES OF A *NATURAL* DEEP SEA SPONGE

Natural deep sea sponges are softer, kinder to the skin, hygienic, and hold three times more water than any substitute. More and more of your customers are realising this every day. That is why to display natural sponges is to SELL THEM !

Cresswell's have been in the Sponge Trade for more than 150 years, and as the largest bulk buyers of Natural Sea Sponges, Cresswell's get THE BEST WHEN THE SPONGE CROP IS FISHED. Please write for price lists and details —or for our Representative to call.



FREE TO STOCKISTS
This attractive special Display Basket, 3 feet high is made of strong metal mesh and finished in high gloss Royal Blue.

CRESSWELL BROS. SPONGES

(*World Natural Sponge Suppliers Ltd.*)

LARGEST PROCESSORS AND STOCKISTS OF NATURAL SEA SPONGES IN THE WORLD

INTERNATIONAL BUILDING, BUCK ST., CAMDEN TOWN, LONDON, N.W.1

Phone : GULliver 5462/3
Grams: SPONGE, NORWEST, LONDON

RELIANCE FINEST QUALITY SPONGE

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 161 February 6, 1954 No. 3859

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Rx

stock up with WRIGHT'S

PHARMACEUTICALS AND BULK DRUGS

Priced as low as their high quality permits, these products of the house of Wright's assure you the widest margin of profit compatible with the maintenance of rigid standards of purity and accuracy in the filling of prescriptions

CATAPLASM. KAOLIN. Maximum therapeutic value due to high anhydrous Glycerin content.

EXT. CASC. SAGR. LIQ. From mature bark, absence of deposit on standing.

EXT. GLYCRYRRH. LIQ. Strictly B.P. manf., absence of deposit on standing.

PIL. FERR. CARB. Non-cracking, iron content does not deteriorate.

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UNGUENTA. Milled, smooth, cold filled.

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NEW ORAL ANTIHYPERTENSIVE

SERPASIL

containing RESERPINE

a pure crystalline alkaloid isolated in the

CIBA RESEARCH LABORATORIES from Rauwolfia serpentina.

It produces GRADUAL AND SUSTAINED REDUCTION OF BLOOD PRESSURE with MILD SEDATION

Dosage is simple, there is a wide safety margin and side effects are extremely rare. When appropriate Serpasil may be combined with Apresoline-Ciba in the treatment of hypertension.

PACKAGES: Tablets of 0.1 mg. in bottles of 25 (3/6d.), 100 (12s.) and 500 (57/6d.)
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Subject to the usual discounts. Exempt from Purchase Tax.

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1/3

The CHEMIST AND DRUGGIST

Volume 161 FEBRUARY 6, 1954 No. 3859

More Drug Tests in N.I.

HEALTH BOARD'S DECISION

A WIDENING of the National Health Service drug testing scheme in Northern Ireland was announced at a meeting of the General Health Services Board in Belfast on January 27.

THE SECRETARY (Mr. G. D. Stewart) reported that the Ministry of Health and Local Government had now specified that tests should be carried out annually covering not less than 10 per cent. and not more than 20 per cent. of chemists in all areas. That, he said, would be a considerable and welcome advance on the present scheme whereby only about fifty tests were made in a year. It was intended that in the first instance a certificate of the analysis should be submitted to the chairman of the Board's Services' Committee and two local pharmacists, one of whom would be nominated by the Board and the other by the Local Pharmaceutical Committee. Mr. H. W. Gamble (a member of the Council of the Pharmaceutical Society of Northern Ireland) was nominated as the Board's representative. According to the Northern Ireland comptroller and auditor-general's report on pharmaceutical services in 1952-53 (see *C. & D.*, January 16, p. 53) in that year 55 tests were made, representing only one in every 75,000 prescription forms issued.

Referring to the matter of a company of manufacturing chemists in Great Britain which had distributed circulars to Northern Ireland doctors suggesting that their preparations were cheaper than the corresponding National Formulary preparations (see *C. & D.*, January 16, p. 53) THE SECRETARY said that the company was greatly concerned that it should inadvertently have been responsible for creating a misunderstanding, and had communicated with the doctors acknowledging the misinformation. It was agreed that the company's explanation should be accepted unreservedly.

N.H.S. REMUNERATION

Pharmaceutical Committee Conference

A CONFERENCE of representatives of Pharmaceutical Committees to discuss matters affecting National Health Service remuneration is being held in London on February 11. The secretary of the Central N.H.S. (Chemist Contractors) Committee has asked each Pharmaceutical Committee secretary to submit the names of nominated representatives by February 9.

CHEMISTS FEDERATION

Eighteenth annual luncheon

THE eighteenth annual luncheon of the chemists' Federation was held in London on January 28. It was attended by members of each of the three sections of the Council (retail, wholesale and manufacturing), and many guests were named by the president (Mr. S. M. Lennox) in proposing a toast to them. The visitors included Dr. H. Davis (chief pharmacist, Ministry of Health) in his capacity as chairman of the British Pharmaceutical Conference 1954, Mr. H. G. Rolfe and Dr. F. Hersant (the Conference secretaries), Mr. E. A. Brocklehurst (vice-president of the Pharmaceutical Society and for many years a member of the C.F. Council), Mr. H. Holmes (chairman, National Pharmaceutical Union), Sir Hugh N. Linstead and Mr. F. W. Adams (secretaries of the Pharmaceutical Society), Mr. A. J. Plowright (assistant secretary of the Society), Mr. A. Duckworth (secretary, Association of British Pharmaceutical Industry), Mr. H. E. Chapman (secretary, Proprietary Articles Trade Association), Mr. H. G. Campbell and Miss Strachan (president and secretary of the Ulster Chemists' Association), with R. J. Jeffers and a "strong contingent" from Northern Ireland, Mr. Wilson Strachan (Scottish C.F. committee), Mr. L. Boon (until recently a representative of the manufacturers on the C.F. council), and Messrs. E. W. Godding, H. Coxon and J. Bloomfield, who were to present papers on "C.F. in Practice" during the afternoon. MR. LENNOX made reference to the Federation's special loss in the death of Mr. G. A. Mallinson, who had provided "the impetus and the guiding hand" in founding the Federation.

Replying for the guests, DR. DAVIS disclaimed the ability for speaking on behalf of "so many different interests." His duties, said Dr. Davis, had brought him into contact with conditions in which pharmacy was practised in the Brussels Treaty countries. In those where pharmaceutical specialities were saleable by pharmacists only, retailers assumed a responsibility not shouldered in this country: responsibility for the validity of all specialities sold. If pharmacists were to become professional men, they must be prepared to accept that responsibility.

GROUP PRACTICES

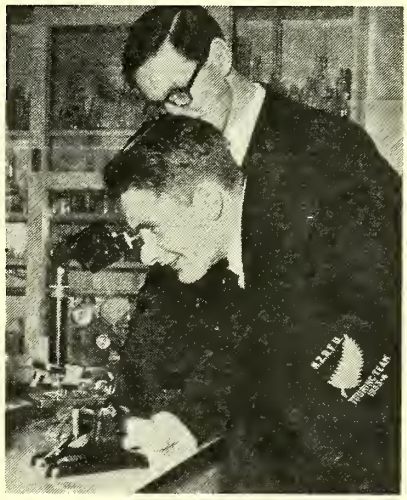
Loans for doctors

AN annual sum, provisionally fixed at £100,000, has been set aside by the Minister of Health to provide interest-free loans for general practitioners wishing to develop group practice, which is defined as several general practitioners in one area working together in close association and doing their work, wholly or partly, in a group of consulting rooms which they own themselves, and providing a twenty-four-hour service to patients. The loans will normally be recoverable by quarterly deductions from the remuneration payable by Execeutive Councils to the doctors concerned. Loans will be available for erection or acquisition of a building for surgery premises.

PURCHASE TAX RETURNS

£½ million less from medicines

CUSTOMS returns for 1952-53 published recently show that the purchase tax yield from drugs and medicines for the year ended March 31, 1953, was £10·1 millions (against £10·6 millions in the previous year). The yield from photographic goods was unchanged at £3 millions, whilst that from toilet preparations and perfumery jumped to



ALL-BLACKS AT GREENFORD: Two members of the New Zealand "All Blacks" Rugby XV, each with an interest in medicine, visited the Greenford premises of Glaxo Laboratories, Ltd., on February 1. Both players come from Palmerston North, which is also headquarters of the Glaxo company in New Zealand. Mr. W. S. S. Freebairn, a pharmacist, is seen looking at penicillin crystals through a microscope. With him is Mr. D. O. Oliver, a medical student.

£23·1 millions (from £20·7 millions). The total yield from the tax was £314·5 millions (£337·7).

TRADE WITH JAPAN

New import quotas

THE Treasury announced on January 30 the conclusion of parleys with a Japanese delegation on a sterling payments agreement with Japan. The Treasury announcement refers to Japan's prospective shortage of sterling in 1954 and states that, along with other measures that are being taken to enable Japan to maintain the purchases from the sterling area, the United Kingdom Government has decided to establish quotas for certain traditional imports from Japan that have not been admitted since the war. Chemicals, toilet and photographic goods do not figure in the new quotas.

SOUTH AMERICAN TRADE

Outlook for British Goods

REPORTING on his recent visit to Argentina, Brazil and Uruguay, in London recently, MR. HEATHCOAT AMORY (Minister of State, Board of Trade) said that the outlook for sales of British-made capital goods in South America was better than for consumer goods. Governments of the three countries he visited were anxious to develop their own industries.

LOCAL NEWS

Biochemistry Lectures at Swansea

A SERIES of seven weekly lectures in clinical biochemistry commences at the technical college, Swansea, on March 2, fee £2 2s. The course covers physiology of urine excretion, collection, preservation and testing of samples; blood physiology and pathology; and the pathology of cerebrospinal fluids, digestive secretions, fæces, etc., with associated practical work.

Contrary to the Lease?

IN an announcement in the Northampton *Chronicle & Echo* recently, the Northampton Co-operative Society, Ltd., referred to charges stated to have been made by the housing committee of the town that the Society had broken the terms of its lease by selling, at its Newnham Road grocery department—among other things—pharmaceutical and medical goods. The Society argued that its members have a right to expect the department to give the same sort of service as is given in other grocery branches. Petition forms have been placed in all the Society's shops for the public to sign "to preserve the Society's freedom of trade" and to ask the town council "to exercise its powers in the public interest."

Thirty Years on Committee

MR. E. R. JACKSON, M.P.S., was entertained at a complimentary dinner in London recently, when he received a presentation from his colleagues of the Middlesex Pharmaceutical Committee on his retirement after thirty years continuous membership as a representative of Messrs. Timothy Whites & Taylors, Ltd. Mr. E. Ratcliffe (chairman of the committee) presided and was supported by past-chairmen G. F. Weiss, F. G. Wells, R. H. Rowson, A. R. Cross and L. Hayward. Mr. F. G. Wells recalled that he had been sergeant-major of the Pharmacy Volunteer Training Corps during the first world war and fellow recruits had included E. R. Jackson, G. A. Mallinson and G. A. Tocher. Mr. Jackson had been chairman of the committee and of the Pharmaceutical War Committee from 1939-42 and during that time the only three secretaries of the committee, Mr. H. Wolfe, Dr. T. Dewar and Mr. J. Anderson Stewart had all been in office.

Office Records Destroyed in Fire

THE office of W. J. Rendell, Ltd., in Hitchin, Herts, was destroyed by fire on January 31. All records were lost. Any customers who do not hear from the company within one week are advised to contact the company.

IRISH NEWS

No Change in Vaccination Law

THE Northern Ireland MINISTER OF HEALTH (Dame Dehra Parker) said in the Northern Ireland House of Commons on January 26 that she had decided against the insertion of a "conscience" clause in the vaccination laws, as she believed it would do more harm than good.

Registered Druggists' Dinner

MESSRS. Fred Storey, Belfast, and James G. Coleman, B.L. (registrar, Pharmaceutical Society of Ireland) were the guests of honour at a reunion dinner of registered druggists and dispensing chemists and druggists held in Dublin recently. Mr. J. J. Bridgeman (secretary, Registered Druggists Association of Ireland) presided. "Pharmacy in Ireland" was proposed by MR. P. J. MALLON, and responded to by MR. STOREY, who urged every druggist who had not done so to sit for the Dispensing Chemist and Druggist examination. MR. COLEMAN spoke of the goodwill existing between the Society and the Druggists and stressed that their interests were being looked after by the Council. MR. BRIDGEMAN commented that those who did not avail themselves of existing opportunities might find themselves deprived of the major part of their business overnight should a Health Scheme be introduced.

College of Pharmacy Colours

AT a recent meeting of the council of the Pharmaceutical Students' Association held in Dublin, Mr. D. Noonan (president) announced that a new Irish poplin tie and scarf in the College of Pharmacy colours (as approved by the Council of the Pharmaceutical Society of Ireland) were available. Students were urged to place orders through members of the association's council.

Presidents Attend Dance

THE presidents of the Pharmaceutical Society of Northern Ireland (Mr. W. H. Boyd) and of the Ulster Chemists' Association (Mr. H. G. Campbell) attended the eighth annual dance of the Guild of St. Albert and St. Gemma in Belfast on January 18.

Pharmacist Missionary

AMONG those who made their final profession in the Order of The Medical Missionaries of Mary at Drogheda recently was Sister Mary Pacelli Ward, M.P.S.I., Lough Eglish, Castleblaney, co. Monaghan.

CHILEAN TOURISTS AT EDINBURGH: Continuing their tour of Britain the Chilean student guests of the British pharmaceutical manufacturers (see *C. & D.*, January 30, p. 97) visited the works on January 28 and 29 of T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh. The whole party (twenty-eight in all) with Mr. Shaw (assistant secretary, Association of British Pharmaceutical Industry) are seen in the picture with members of the company's staff.

SCOTTISH NEWS

Village Without a Chemist

THE closing of the only chemists' shop in Auchinblae was discussed at a meeting of Aberdeen and Kincardine Executive Council in Aberdeen recently. The owner of the shop has accepted a post as pharmaceutical chemist in Stracathro hospital and cannot find a purchaser for his business. His withdrawal leaves the nearest chemist at Laurencekirk, eight miles away, and the Council accordingly decided to refer the matter to the Local Pharmaceutical Committee. An announcement at the same meeting that the Secretary of State for Scotland did not propose to amalgamate the Aberdeen and Kincardine Executive Council with that of Aberdeen City was greeted with applause.

Edinburgh's Health

EDINBURGH'S health target for 1954 should be "an *x*-ray check-up for everybody and more vaccination and immunisation," said the city's medical officer of health, at a meeting in Edinburgh recently. There had not been a single death from scarlet fever or typhoid fever in Edinburgh for eight years. A baby born today would have an expectation of life of ten years more than one born in 1931.

T.B. Death Rate Record

A NEW low record in the death rate from all forms of tuberculosis was reported by the Aberdeen city medical officer of health, in submitting provisional figures for 1953 at a recent meeting of the health and welfare committee. The death rate from the principal infectious diseases, which in the previous year had been recorded as reaching "the almost unbelievably" low figure of 0·03, was now 0·02.

NEWS IN BRIEF

Students' Laboratory Visit.—Pharmaceutical students from Manchester University visited the laboratories of Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Lancs, on January 20.

Hairdressers' Protection Bill. — The Hairdressers' Registration Council have prepared a new Bill seeking powers to regulate the craft "so that both the public and new entrants are protected from questionable practices."

Rubber Research Fellowship. — A research fellowship value £2,000 a year, tax free, mainly for research work on the chemistry of high polymers, including natural and synthetic rubbers, and for the next seven years tenable at Birmingham University, is being established by the Dunlop Rubber Co., Ltd.

Council Candidates' Opportunity.—Prospective candidates for election to the Council of the Pharmaceutical Society, who would like to put their views before members of the Staffordshire and Dudley Regional Group of the Society at a meeting in Stafford on March 31, are invited to contact the secretary, Mr. A. E. A. Thomas, 125 Castlecroft Road, Wolverhampton.

TOPICAL REFLECTIONS

By Xrayser

The N.H.S. Drug Bill

National Health Service news is prominent in your issue of January 30. Addresses by two officials of the Ministry of Health (p. 106) are followed by an editorial comment (p. 109). The addresses and the comment deal with the same topic, the cost of prescriptions. Dame E. M. Russell-Smith confirms an opinion held by most, and probably by all, responsible observers that the root problem is "to get more and better information to the doctors regarding the cost and pharmaceutical value of new products." She suggests that a new method of approach to prescribers must be found. The explanation of finding some pharmacies "untidy and not too clean," with a query about the condition of their dispensing departments, may be that in times of great pressure a proprietor may concentrate on keeping that department scrupulously tidy and letting the sales department receive less attention. Dr. H. Davis's address dealt in more detail with the six categories of the Cohen committee. His hint on the dispensing of penicillin tablets should be remembered. He was asked—discussions tend to branch off into other subjects—why pills still figure "largely" in students' examinations. The answer was to the effect that they do not figure so largely as at one time, but that pharmacists must be equipped to dispense them when prescribed. I agree. It would be a setback for pharmacy if scientific knowledge and manual skill in this department disappeared.

Group Medical Practice

Too late for publication in the trade Press last week (but see p. 121), the Ministry of Health circulated a statement on group medical practice in the National Health Service. An annual sum, provisionally fixed at £100,000, is to be set aside for encouraging the system. Loans will be free of interest, and will normally be returnable by quarterly deductions from payments to medical practitioners. It is considered essential that premises should be used for this purpose for at least twenty-one years. They will be freehold, must be kept in a reasonable state of repair, and must not be sold, during the period specified, without the Central Health Services Council's consent. *The Times* remarks, in an editorial article, that "the early enthusiasm for 'health centres' has undoubtedly cooled considerably"; we are not told whose enthusiasm is referred to. A project of this scope involves decisions on many matters of detail. It is contemplated that in some cases existing buildings may be adapted for the purpose and either purchased or hired; but even so, the aggregate bill for building and adapting may easily exceed the sum mentioned. Again, twenty-one years is a term long enough for such events as dissolution of partnership to happen. For pharmacists the main question is the probable or possible effect on panel dispensing.

Bartholomew Ruspini

I have been favoured with a reprint from *The Dental Magazine and Oral Topics* for December 1953, of a paper by Dr. J. Campbell Menzies, a Glasgow dental surgeon, on Bartholomew Ruspini (1728-1813). Ruspini's connection with pharmacy is that, so far as is known, he was the first person summoned, under the first Medicines Stamp Act (1783), on a charge of having sold dutiable medicines unstamped. The Act came into force on September 2 of that year, and the case (before a London magistrate) was reported in *The Morning Chronicle* of October 13. Ruspini's defence, which included the production of his diploma in surgery, awarded at Bergamo, was successful. Dr. Menzies's scholarly monograph must have involved extensive research. It shows that Ruspini specialised in dentistry soon after qualifying as a surgeon in 1758. On coming to England he secured a lucrative practice in London and Bath. Members of the Royal family were among his patients; and he was created a Chevalier by Duke Sfortia. An ardent Freemason, he was one of the founders of the Royal Cumberland Freemason School (now the Royal Masonic Institution for Girls, Rickmansworth Park).

BRANCH AND ASSOCIATION MEETINGS

DUNDEE

History of Dyes

"In Search of Colour" was the title of an address by Mr. W. Robertson at a meeting of the Dundee and Eastern Scottish Branch of the Pharmaceutical Society held in Dundee recently. He described the use of vegetable dyes by peasants, crofters, etc., and mentioned cochineal, logwood, onion and other substances as producing fast dyes (as opposed to stains).

BEDFORDSHIRE

Pharmacists and Jury Service

Replying to a question put to him by Mr. H. Cripps at a meeting of the Bedfordshire Branch of the Pharmaceutical Society in Hitchin on January 7, Mr. A. E. Brocklehurst (vice-president of the Pharmaceutical Society) said that a practising pharmaceutical chemist could claim exemption from jury service, but that exemption was not automatic: Application must be made for it.

MANSFIELD

Film Show

Veterinary films made by Imperial Chemical (Pharmaceuticals), Ltd., were shown to members of the Mansfield Branch of the Pharmaceutical Society recently. The show was followed by a talk on "Progress in Antibiotic Therapy" by Mr. B. C. Bryant (medical information department of the company). A film taken at the branch's annual dinner and dance by a member (Mr. H. L. Twidale) was shown at the same meeting.

NORWICH

Delay Insulins

Dr. G. R. Boyes (medical information department, Allen & Hanburys, Ltd.), addressing the Norwich Branch of the Pharmaceutical Society recently on "The Newer Insulins," traced the history and development of the various forms of insulin and discussed the composition of the delay forms. The action of protamine zinc insulin, though prolonged, he said, had the disadvantage of a slow onset. The new insulin suspension, which contained a mixture of amorphous and crystalline compounds, had a more rapid onset and a duration of action up to twenty-four hours. With the crystalline form alone a duration of action of up to thirty hours could be achieved, but if the amorphous form only were used the duration was not more than twelve hours. Insulin zinc suspension was the approved name for a suspension containing 70 per cent. of the crystalline and 30 per cent. of the amorphous forms. The relatively high proportion of zinc was possible by the use of an acetate buffer in place of the phosphate or citrate buffers generally used, which precipitated zinc from its combination with insulin. The suspensions could not be mixed with soluble insulin, protamine zinc insulin, or globin insulin. Since insulin zinc suspension contained no added protein it was unlikely to give rise to any local reaction.

LEEDS

Colour Slides and Resolutions

A talk entitled "An Eye for Colour" was given by Mr. J. H. Wright to the Leeds Branch of the Pharmaceutical Society in Leeds on January 14, Mr. T. W. Fisher presiding. The talk was illustrated with lantern slides in colour which Mr. Wright had himself taken and processed. One of the pictures had been included in a record of Coronation year presented to the Queen by the Photographic Dealers' Association. The Chairman said that many of the photographs had won national awards, and the speaker and his collection were in great demand in photographic circles in the north of England. The meeting also passed the following resolutions for discussion at the Branch Representatives' meeting to be held in London in May:—

(1) That the alternative method of serving apprenticeship one year after satisfying the examiners at the Qualifying examination be abolished.

(2) That entry into pharmacy should be by two years' apprenticeship to be served as a whole before taking the qualifying course and examination, or two periods of one year before and after the qualifying course and examination.

(3) That registration as an apprentice or student should be granted only to students who present the General School Certificate at the higher level and that intending pharmacy students should be encouraged through the schools to take chemistry, biology and physics.

GLASGOW

Late Hours Unethical

A resolution "That it is the opinion of this meeting that to keep open a pharmacy in excess of normal hours is unethical conduct; that normal hours shall be defined as the shop hours prescribed by the local authority, together with rota hours approved by the local Executive Council," was put by members of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society at a meeting on January 13. The resolution was adopted for submission to the Branch Representatives' meeting to be held in London in May.

Speakers at the meeting were Mr. John Anderson (chairman of the Pharmaceutical Standing Committee (Scotland)), Mr. W. T. Elder (a member of the Society's Council), and Mr. S. Hughan (chairman of the Scottish Executive). Mr. Anderson gave a brief history of negotiations between his committee and the Department of Health for Scotland, explaining the investigation into oncosts, in which 10 per cent. of Scottish chemist contractors, representing all types of pharmacies, had taken part. Mr. Elder spoke in favour of the increased retention fee, and Mr. Hughan explained the duties of the Scottish Executive. He appealed to private pharmacists to take an apprentice and said that scientific meetings held in Edinburgh during the winter sessions since 1948 had done much for the advancement of pharmacy.

LOCAL DINNERS AND DANCES

LEICESTER

Tribute to Women Pharmacists

Responding to a toast to the Pharmaceutical Society proposed by Mr. F. A. Glen at the annual dinner of the Leicester Branch recently, Mr. E. A. Brocklehurst (vice-president) described as unique the fact that three officers of the Branch, including the chairman (Miss G. M. Shirley) were women.

ROMFORD

Recognition for Representatives

The ninth annual dinner and dance on January 27 of the eleven-year-old Romford Branch of the Pharmaceutical Society was voted by many of the 180 present the best of the series. The menu, in the form of an EC10, outraged principle by including six items on one form, but all were swallowed and even relished. Mr. L. F. Lamerton, M.Sc., Ph.C., F.Inst.P. (of the Royal Cancer Hospital), proposed the toast of the Pharmaceutical Society, and Mr. J. F. McNeal responded. Mr. McNeal thought pharmacists deserved greater publicity for their long hours and responsible work for the community. Mr. R. H. Kemp (secretary of the Chemists Federation and chairman of the Southend Branch) toasted "The Romford Branch," which he claimed some share in creating. He gave reminiscences of schooldays and early pharmaceutical employment within the area of the branch, whose members, he asserted, had done more for pharmaceutical science than any other (but what would Dartford, Harrow, Liverpool and other branches say to that?). Mr. J. E. Davey, who replied as branch chairman, did not deny the richness of the membership in manufacturing, hospital and retail pharmacists, but singled out representatives for special mention. "They contribute," he said, "more than anyone else to the present prosperity of pharmacy." Mr. K. F. Moorey proposed "The Guests," for whom Mr. R. Fisher gave an ample reply. The Branch Secretary (Mr. J. D. Mackenzie) proved himself a practised toastmaster, well able to interpret the many-faceted character (in turn courteous, convivial, conspiratorial, etc.) of his chairman. During the evening Mr. A. Taylor, as golf prize-winner of the previous season, received the Jordan trophy and a mounted pestle.

DUNDEE

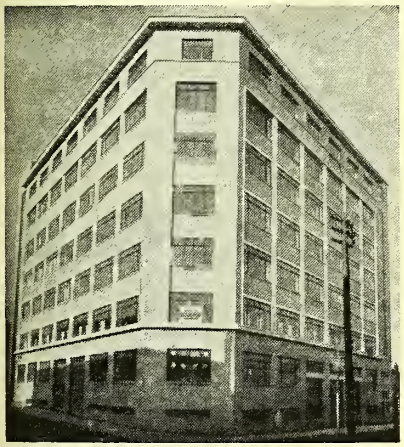
Students as Guests

Two students from the school of pharmacy, Dundee Technical College, attended by invitation the dinner and dance of the Dundee and Eastern Scottish Branch of the Pharmaceutical Society on January 21. Mr. S. Hughan (chairman of the Society's Scottish Executive) was present, and Mrs. Hughan presented the prizes for the novelty dances.

A BIRMINGHAM DISTRIBUTIVE CENTRE

New Premises on Site of original Building, blitzed in 1940

FROM the sixth floor chemical works to the basement boiler room of the new premises of Southall Bros. & Barclay, Ltd., Gooch Street, Birmingham, cleanliness, spaciousness and tidiness are the keynote. The official opening of the premises on January 27 was attended by over 200 retail chemists from all parts of the Midlands. They had the opportunity of being shown over the building.



Left, the new eight-story premises of Southall Bros. & Barclay, Ltd., in Gooch Street, Birmingham. Right, visitors are shown the main warehouse on the first floor. The roller track (middle foreground) is a feature of the department. On it, boxes labelled with customers' tallies move round the warehouse. As the boxes pass the various stock bins, girls place in them the goods that customers have ordered. Each girl is responsible for a limited number of bins. The goods are checked before packing.

Rising again on the site and foundations of the premises that were demolished, with all they contained, in November 1940, the new building bears the original name-plate, one of few salvaged items, for the company had in 1940 to re-start literally from rock bottom. Its first hurdle (of finding alternative premises) was surmounted by purchasing the business of C. H. White, Ltd., Smethwick, then a small distributing centre for chemists' supplies. Other decentralised accommodation was acquired and operations were begun with little delay. Unfortunately all records had been destroyed and customers had to be asked to give details of their recent purchases.

Bringing together again under one roof all the company's manufacturing and distributing activities has been a difficult, yet a smoothly accomplished task. The sixth (top) floor of the building is devoted to galenical manufacture, to keep the rest of the building free from odours. On the fifth floor are accommodated stores, tableting department, ointment room and canteen.

Filling of galenicals, specialities and chemists' own lines is done on the fourth floor, which also accommodates a laboratory. A feature of the filling department is a battery of 50-gall. stainless-steel tanks, which are charged direct from the top floor.

The laboratory is, as one would expect, especially well equipped, since the company specialises in fitting and equipping industrial laboratories, and designs and makes laboratory furniture, in addition to supplying equipment, apparatus and analytical-grade chemicals. A special showroom on the ground floor is devoted to that side of the business.

The third floor houses reserve stocks. On the second are the general offices and scientific department; on the first the main warehouse, from which all supplies except scientific are distributed. There a roller track system is in operation. As each order is received in the department, tallies bearing the customer's name and address are attached to one or more boxes as required. The boxes move round the warehouse on the roller track past stock bins at which girls (one to two or three bins) in turn scan the order and add to the box the items for which each is responsible. At the end of the track the orders are checked against the articles in the box, and the box passes through the floor on a chute into the packaging department, for dispatch.

A telephone order department is staffed by eight headphoned girls who sit in front of typewriters and type the orders direct on to forms as customers dictate them. The orders are then passed by chute to the warehouse on the floor below.

A prescription service for ethical specialities has its own roller track and delivery vans, and an order for an urgent prescription telephoned before 2 p.m. from as far away as Coventry or Wolverhampton, is usually delivered the same day.

A basement boiler room provides steam for manufacturing and for heating, and (under high-pressure) for a bottle-washing plant on the same floor.

Well-appointed showrooms occupy part of the ground floor.

UNITED STATES DEVELOPMENTS

A TEAM of biochemists led by Dr. Vincent du Vigneaud, Cornel University Medical College, Ithaca, New York, has succeeded in synthesising oxytocin, a hormone of the pituitary. It is the first polypeptide hormone to be produced synthetically. The work leading to the synthesis was carried out at the New York Hospital-Cornell Medical Centre, New York City. The synthesis establishes the structure of the hormone. The next step is to synthesise related compounds to determine what response the body will have to chemical changes in the molecule and to see whether a simpler compound can be used in place of oxytocin in medical practice.

A hospital is to be built at Knoxville, Tennessee, within twenty miles of the Oak Ridge National Laboratory, the principal source of radio-isotopes in the United States. It is to be a research hospital and will engage in tracer work and diagnosis of disease with the use of isotopes. An advantage of siting the hospital near to the laboratory is that short-lived isotopes from the laboratory can be used in the medical research work.

A team of bacteriologists at the University of Wisconsin, Madison, Wisconsin, has isolated a new antibiotic named oligomycin that is effective against many plant diseases, but so far it is reported that the antibiotic has not proved harmful to bacteria.

NEW BRITISH STANDARD

Separating Funnels

BRITISH Standard 2021, 1953 ("Separating Funnels") covers stoppered glass separating funnels in sizes from 25 to 5,000 mils. Spherical, conical and cylindrical funnels are included. Cylindrical funnels with a graduated scale numbered in both directions are also included. The shapes and sizes selected follow closely those listed in 1947 by the British Laboratory Ware Association. Detailed dimensions are given for the guidance of manufacturers, and provisions are included for the stoppers, stopcocks and inscriptions. Price 2s. 6d.

LEGAL REPORTS

Unauthorised Possession. — At Bow Street, London, magistrates' court recently, Violet May Tyler, aged twenty-nine, Barnsbury, was sentenced to six months' imprisonment for being in unauthorised possession of a packet containing gr. 36½ of Indian hemp. She had been stopped and searched by the police in Piccadilly Circus in the early hours of the morning.—In Glasgow sheriff court, on January 26, two Chinese seamen were found guilty of being in unauthorised possession of opium. They were fined £25 and £15 respectively.

A Salesman's Monies.—At Marlow, Bucks, magistrates' court recently, Anthony John Parnell, salesman, 52 St. John's Road, Clifton, Bristol, was charged with obtaining sums of £2 8s., £3 14s., and £3 4s. from Ortho Pharmaceutical, Ltd., Lane End, Bucks, with intent to defraud. Despite an impassioned appeal by his solicitor that he should be given another chance, he was sentenced to three months' imprisonment. Parnell was employed by the company as a travelling salesman to cover four counties in the West of England. In addition to his salary, he was entitled to submit hotel bills at places where he was supposed to stay, and the company refunded the money to him. Parnell submitted fictitious accounts, and on his own admission had been paid over £140 to which he was not entitled. For the accused it was said that Parnell had got into financial difficulties, and he thought if he stayed with friends and submitted bills that would be all right. Defendant now recognised the gravity of his conduct, and if given a chance was willing to make complete restitution of the money involved.

Validity of a Bequest.—A residuary bequest, amounting to about £13,000, in the will of Mr. Frederic Ernest Evans, a retired pharmacist, who died in 1936, towards the erection and maintenance of a cottage hospital for Lymm and district, was held by Mr. Justice Vaisey in the Chancery Division, London, recently, to be a good charitable bequest. For the trustees of the will it was stated that Mr. Evans left his widow a life interest in his estate. She died in 1952. He had directed that after her death the residue of his estate, except for a gift of £1,000 to the rector and wardens of the Church of St. Mary the Virgin, Lymm, should go towards the erection and maintenance of a cottage hospital for Lymm and district. There was a residue of about £13,000, which was insufficient to carry out Mr. Evans' wish. The needs of sick persons in Lymm were adequately provided for in Warrington and neighbouring towns. It was not likely that a hospital would ever be established in Lymm. Mr. Justice Vaisey said he thought there was a genuine charitable trust at the date of Mr. Evans' death, and subsequent impracticability was irrelevant. As the gift was not capable of being carried into effect through present day circumstances he would direct that a scheme be settled for giving effect to Mr. Evans' charitable intention.

NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office

G. H. OGSTON & MOORE, LTD. (P.C.).—Capital £100. To carry on the business of analytical and consulting chemists, etc. Subscribers: Alexander H. Bennett and Agnes S. Bennett, 51 Plaistow Lane, Kent.

WATERSIDE PHARMACY, LTD. (P.C.).—Registered in Belfast. Capital £100. To carry on the business of chemists and druggists, etc. Director: Frank Murphy, M.P.S.N.I., 165 Spencer Road, Londonderry.

W. H. KIRK, LTD. (P.C.).—Capital £2,000. To acquire the business of a chemist carried on by Walton H. Kirk, M.P.S., at 37 Borough Road, Sunderland. Directors: Walton H. Kirk and Elsie L. Kirk.

J. WEARING (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists, etc. Directors: Dorothy Wearing and Annie E. Wearing. R.O.: 2 Chobham Road, Woking, Surrey.

EVANS CHEMISTS (PORTHCAWL), LTD. (P.C.).—Capital £2,000. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: Marjorie Evans, M.P.S., and Hopkin W. Evans. R.O.: 36 New Road, Porthcawl, Glam.

CLAY & ABRAHAM (MANUFACTURING), LTD. (P.C.). — Capital £6,500. To carry on the business of manufacturing chemists, etc. Directors: John Rae, M.P.S., Edith M. Rae and John D. Clark, M.P.S. R.O.: 2 Upper Duke Street, Liverpool, 1.

GAMLINGAY PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, and dispensing opticians, etc. Directors: Sylvia M. A. Ashcroft and Derrick Hemingway, M.P.S. R.O.: 40 Church Street, Gamlingay, Sandy, Beds.

HILL'S BALSAM, LTD. (P.C.).—Capital £1,000. To carry on the business of dealers in medicines, etc. Directors: Edward Hill, M.P.S., John N. Hartley, M.P.S., Philip R. Hartley and John W. Rawstron, M.P.S. R.O.: 1 Academy Street, Warrington.

Company News

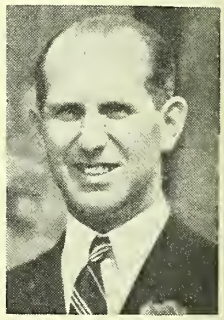
Previous year's figures in parentheses

IDRIS, LTD.—Net profit for year ended October 31, 1953, after providing for depreciation and taxation was £35,988 (£26,887). Dividend on ordinary capital, 12 per cent.

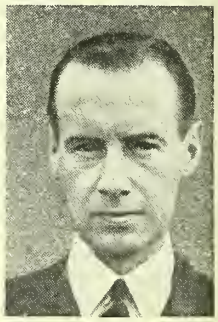
METAL BOX CO., LTD.—The company has made an offer to the shareholders of Brown, Bibby & Gregory, Ltd., to purchase their shares in that company. The Metal Box Co., Ltd., state that its policy will be to employ its resources and experience to develop the business of Brown, Bibby & Gregory, Ltd., at Speke, under its present management.

ASPRO, LTD. — It is proposed to capitalise part of the capital reserves for an issue of 2 million 5s. shares which will rank with the existing ordinary capital. Mr. Maurice A. Nicholas (chairman) points out that the increase in capital does not mean that profits to be distributed in future will necessarily be higher, but adds that "subject to the trading results for the last quarter of the year, it is hoped to recommend an increase in the total amount to be distributed as final dividend for the year ending March 31, 1953."

OVERSEAS VISITS



Mr. Otto Koblitz



Mr. H. A. Donnan

MR. OTTO KOBLITZ, export director of Biddle, Sawyer & Co., Ltd., London, W.1, and MR. H. A. DONNAN, the company's manager, are among the thirty or more British business men now on a visit to Soviet Russia for trade talks with the All-Union Chamber of Commerce.

MR. G. H. YOUNG (managing director, McClure, Young & Co., Ltd.) left London on February 3 for the West Indies to visit the company's agents in that area.

MR. W. M. CLAYSON, F.P.S. (a director of Allen & Hanburys, Ltd.) left London by air on February 1 on a business visit to India, Malaya, Indonesia, New Zealand, Australia, Fiji, and Canada. He expects to be away about three months.

BUSINESS CHANGES

HAROLD MITCHELL & CO., LTD., have removed to 27 Cornmarket, Belfast (telephone: 31566).

D. & W. GIBBS, LTD., have removed their offices to Hesketh House, Portman Square, London, W.1 (telephone: Welbeck 3713).

D. C. HAMILTON, LTD. (wholesale chemists' sundriesmen), have removed to 15 Upton Street, Manchester, 1 (telephone: Manchester Central 9396).

MALLAGH & CO., 12 High Road, South Woodford, London, E.18, have acquired the business of T. Graham & Co. (manufacturers of perfumery compounds and essential oils), 58 College Road, Harrow, Middlesex. Future business will be transferred to the purchasing company and executed from the Woodford address.

Appointments

GLYCERINE, LTD., Unilever House, London, E.C.4, have appointed Mr. S. W. Wakefield their northern representative in succession to Mr. J. H. Owen who retired on December 31, 1953.

THE LATE MR. GEORGE TOCHER

A Pioneer of Pharmaceutical Organisation in London

MR. GEORGE ALEXANDER TOCHER, M.P.S., died at his home 23 Arlington Gardens, Saltdean, Brighton, Sussex, on January 27. He qualified in 1905. From the inception of the London Pharmaceutical Committee until his retirement in June 1951 he had been its secretary.

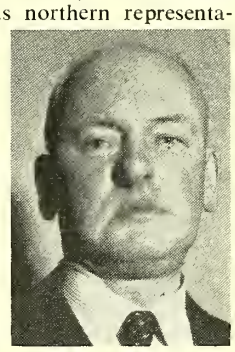
Mr. Tocher served his apprenticeship with his brother, the late Dr. J. F. Tocher, D.Sc., F.R.I.C., Aberdeen. He had retail experience in Newcastle-on-Tyne, Coventry, Birmingham and South-east London and later served with Menley & James, Ltd., and Duncan, Flockhart & Co. as a representative. He was instrumental in uniting London pharmaceutical chemists in district associations prior to the National Insurance Act, 1911. He formed the London County Executive for the purpose of constituting the original Local Pharmaceutical Committee. In 1912-14 he acted as honorary secretary of that Committee, and in January 1914 was appointed secretary of the statutory Pharmaceutical Committee for London. On the outbreak of war in 1914, Mr. Tocher was appointed secretary of the Joint Insurance and Pharmaceutical Advisory Committee, and for his work in that connection was honoured by a presentation in 1919. In 1921 Mr. Tocher was appointed a member of the London Insurance Committee, serving on that body and various subcommittees until 1948, when he became a member of the London Executive Council. He originated and carried out various dispensing schemes, including those of the L.C.C. outdoor medical relief, London Public Medical Service and the South Metropolitan Gas Co., all devised to secure that the dispensing of medicines was reserved to pharmacists. For many years Mr. Tocher was a prominent member of the North London Pharmaceutical Association, serving as president in 1938. In the 1939-45 war he was secretary of the London County Pharmaceutical War Committee and until March 1951 was a member of the Woolwich Hospital Management Committee. He was also a member of the L.C.C. Divisional Health Committee for the boroughs of Battersea and Wandsworth. In 1951 a complimentary dinner was given to Mr. Tocher in London to mark his retirement. On that occasion tribute was paid to him as the "guiding spirit" of the London Pharmaceutical Committee by Mr. Henry Lesser, C.B.E. (chairman of the London Executive Council). Mr. Tocher is survived by his widow, two sons and a daughter.

Mr. W. F. Wilkinson (secretary, London Pharmaceutical Committee) writes: The passing of "George," as he was familiarly called, came as a great shock to all who had the happy privilege of knowing him. That he should have been spared to enjoy only a short retirement after so long and active a life is a great pity, for he must have looked forward very much to a life of ease and rest with his wife and family. I had the honour of succeeding "George" in 1951 as secretary of the London Pharmaceutical Committee, having been his assistant since 1949. A kinder and more considerate man you could not meet; he was meticulous and neat in all that he did and nothing short of one's best efforts was good enough for him. He set a high standard himself and expected the same from others. His life-long motto had been "pharmacy for pharmacists" and he worked tirelessly to bring it about in London. His knowledge of the National Insurance and National Health Acts was second to none, and was always at the disposal of anyone who sought his advice. On any matter one could turn to him and he would try to help. I got to know him well during my association with him; he was a devoted father, a kindly and christian soul who will be sadly missed. He was never the "dour Scot" of fiction, but gentle, kind and courteous, although he maintained his native doggedness and tenacity. Since his retirement, his health had not been as good as he would have wished, but he was always cheerful and took an eager interest in pharmaceutical matters. He had intended coming to London for the memorial service of his old friend George Mallinson, but as the weather was not good he decided against it. Within an hour of that service he had a seizure and died some five hours later.

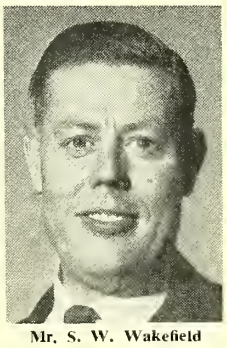
The funeral service was at St. Margaret's Church, Rottingdean, followed by cremation at the Downs Crematorium, Bear Road, Brighton. Among those present were Mr. R. Collings (immediate past-chairman, London Pharmaceutical Committee); Mr. W. F. Wilkinson (secretary, London Pharmaceutical Committee); Mr. R. H. Kemp (representing the National Pharmaceutical Union and Chemists Federation); and Mrs. H. Skinner.

PERSONALITIES

MR. J. H. OWEN, who retired from his post as northern representative for Glycerine, Ltd., on December 31, 1953 (see p. 126), was within ten days of completing forty-four years' service as a representative. He joined the Vinolia Co. at Port Sunlight in 1910, and the sales department of Lever's Glycerine in 1924. During his service he has covered areas all over the British Isles, including Wales, Scotland, Northern England and the Midlands. MR. S. W. WAKEFIELD, who has taken over Mr. Owen's area, joined Joseph Crosfield & Sons, Ltd., Warrington, Lancs, in 1936. After some specialised training in the United States he became the company's technical representative in the North of England for silicate of soda and its use in industry. Mr. Wakefield spent a period as an oil and fat analyst until taking charge of the quality control and sampling department. He joined Glycerine, Ltd., in September 1953.



Mr. J. H. Owen



Mr. S. W. Wakefield

DR. COLM BRADY (eldest son of Mr. P. A. Brady, T.D. (a member of the Council of the Pharmaceutical Society of Ireland)) was amongst those who received a post-graduate qualification in public health at the January conferring of degrees ceremony at University College, Dublin. At the same time Miss EVA M. PHILBIN, M.Sc. (examiner in chemistry to the Licence examination of the Society) received a Ph.D. in chemistry.

MR. T. AINSLIE ROBERTSON, (retiring chairman of Plant Protection, Ltd.) (see *C. & D.*, January 30, p. 102), joined Alex. Robertson & Sons after the 1914-18 war. The firm amalgamated with Cooper, McDougall & Robertson, Ltd., of whose South African company he was managing director from 1928 to 1933. He was largely responsible for the agreement between Imperial Chemical Industries, Ltd., and Cooper, McDougall & Robertson, Ltd., which resulted in the formation of Plant Protection, Ltd., in 1937. Mr. Robertson was managing director of Plant Protection, Ltd., from 1937 to 1943, when he became chairman. He has been personally responsible for a large part of the company's recent expansion overseas, particularly in Canada, the United States, France and Italy. Mr. Robertson has recently accepted the Minister of Agriculture's invitation to become the first chairman of the governing body of the Glass-house Crops Research Institute.

BIRTH

TAINSH. — At 36 Cowan Road, Edinburgh, on January 24, to Betty (née McDonald), wife of John Hunter Tainsh, M.P.S., F.S.M.C., 36 Cowan Road, Edinburgh, 11, Midlothian, a son.

DEATHS

The late Mr. R. S. Allsop (see C. & D., January 30, p. 102). Mr. Allsop was the senior representative of T. & H. Smith, Ltd., and had been with the company over sixty years.

ADAMS. — On January 15, Mr. Hubert Adams, F.P.S., 30 High Street, Shrewsbury, Salop. Mr. Adams qualified as a chemist and druggist in 1906 and passed the Pharmaceutical Chemist examination in 1907.

BAKER. — In London on January 21, Mr. Henry Joseph Baker, M.P.S., 51 Marsh Lane, Mill Hill, London, N.W.1, aged sixty-nine. After serving an apprenticeship with Davidson & Kay, Ltd., Aberdeen, and studying at Robert Gordon's College, Aberdeen, Mr. Baker qualified in 1906. In 1910 he joined Duncan, Flockhart & Co. in London, as chemist. He served with the London Scottish Regiment in the first world war, was invalided out in 1917 and rejoined Duncan, Flockhart & Co. as manager in London. He was made a partner in 1922, became senior partner in 1940 and subsequently chairman and managing director of Duncan, Flockhart & Co., Ltd., before his retirement in 1952 because of ill-health. He was chairman of the Chloroform Manufacturers' Association from 1935 until 1952. He was a member of the original Drug Club and when the club became the Association of British Pharmaceutical Industry he became a member of the council and a trustee of that body.

BROWN. — On January 15, Mr. Charles Gilbert Brown, 56 Bridge Street, Llandaff, Glamorgans, aged seventy. Mr. Brown qualified as a chemist and druggist in 1908.

CRAIL.—In hospital, recently, Mr. Hugh Crail, J.P., 5 Sandown Park, Belfast, aged eighty-two. Mr. Crail qualified as a pharmaceutical chemist in Ireland in 1894. He served his apprenticeship to pharmacy with Grattan & Co., Ltd., Cornmarket, Belfast, and carried on business in Upper Newtownards Road, Belfast, until he retired in 1930.

LINTIN. — On January 26, Mr. Harry Clements Lintin, M.P.S., 37 Lincombe Road, Downend, Bristol, Glos, aged fifty-four. Mr. Lintin was proprietor of Lotty's Pharmacy, 134 Lawrence Hill, Bristol, 5. He was a prominent freemason. Mr. Lintin is survived by his widow.

MALLINSON.—A memorial service to the late Mr. G. A. Mallinson, O.B.E., M.P.S. (*C. & D.*, January 9, p. 29), at the Church of St. George the Martyr, Queen Square, London, W.C.1, on January 27, was conducted by the Rev. Norman Armstrong, B.A., Preston. A valedictory oration was made by Mr. S. J. Stearn, J.P. (treasurer of the National Pharmaceutical Union). The service was attended by the chairman and fifteen members of the Executive of the Union, its secretary, deputy and assistant secretaries and other members of the staff; Messrs. T. Reid and F. W. Adams, representing the Pharmaceutical Society; A. Duckworth, representing the Association of British Pharmaceutical Industry, Mr. D. W. Payne and Miss H. E. Hobbs, representing the Proprietary Articles Trade Association, Mr. H. Hollis, representing the Proprietary Association of Great Britain, and pharmacists to a total of 150.

PEMBLETON. — On January 27, Mr. Frederick Paul Pembleton, Charnwood, Lutterworth Road, Nuneaton, Warwicks, aged eighty-seven. Mr. Pembleton qualified as a chemist and druggist in 1890. A native of Nottingham, Mr. Pembleton was until his retirement in 1931, manager of the Nuneaton branch of Boots, Ltd. He was succeeded in that position by his son-in-law (Mr. A. J. Bonham, M.P.S.). Mr. Pembleton was a member of the town council 1917-45. He was elected an alderman in 1930 and was mayor, 1930-32. He was appointed a magistrate in June 1927 and applied to be put on the supplementary list of magistrates in 1949. He and his wife celebrated their diamond wedding in 1951.

ROSS.—On January 18, Mr. Bryce Muir Ross, M.P.S., 104 Albert Road, Walthamstow, London, E.17, aged seventy. Mr. Ross was for many years manager of the branch of Boots, Ltd., in High Road, Leyton, London, E.10.

WARD.—Recently, Mr. Walter James Ward, The Haven, High Road, Balby, Doncaster, Yorks, aged eighty-seven. Mr. Ward qualified as a chemist and druggist in 1891. A native of Leeds he moved to Conisborough, Yorks, in 1890 and commenced business as a chemist there. He transferred his business to 61 Low Road, Balby, in 1936, and although he retired from business ten years ago he continued to work as dispenser for his son until just over a year ago. He was one of the oldest Methodist local preachers in the Doncaster circuit and held many offices in his Church, retiring from preaching only a year ago.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

IN the House of Commons on January 25 Dr. B. Stross asked the Minister of Food the *p*H of cola drinks and what substances besides caffeine, phosphoric acid, sugar and water were present in cola-containing mineral waters.

Dr. Charles Hill (Parliamentary Secretary to the Ministry of Food) said he understood the *p*H of cola drinks in America was 2·6, though a sample taken in Britain was slightly less acid.

In a further question Dr. Stross asked if the Parliamentary Secretary was aware of the danger of teeth erosion from such drinks. Dr. Hill replied that the level of acidity was only slightly more than the general level for soft drinks containing acid. The Committee on Food Standards would soon, it was hoped, consider the general position, including acidity.

Census of Production Costs

Mr. Peter Thorneycroft (President of the Board of Trade), in a written reply to Sir Waldron Smithers on January 28, said that the cost of the annual census of production required by the Statistics of Trade Act, 1947, was about £175,000. The total cost of work on the first census of distribution would be about £710,000. He had appointed a committee, including representatives of industry and commerce, under the chairmanship of Sir Reginald Verdon Smith, to advise him on future policy. The committee was examining, among other things, the uses to which the censuses were put.

Powdered Milk Poisoning

Lieutenant-Colonel M. Lipton asked the Minister of Food on January 25 what investigations had been made to prevent a recurrence of food poisoning in schools from powdered milk.

Dr. Charles Hill (Parliamentary Secretary to the Ministry of Food) replied that comprehensive bacteriological tests had been made, and the conditions in the factory had been investigated. A code of practice for the manufacture of dried milk was being prepared for manufacturers.

Shop-closing Hours

Sir W. Wakefield asked the Home Secretary what progress had been made in the consultations on the Government's proposals on closing times for retail shops.

Sir David Maxwell Fyfe, in a written reply, on January 28 said that tentative proposals were circulated to interested organisations in March 1953.

Medication of Food

In the House of Lords on January 27, Lord Douglas of Barloch said that the addition of chalk to flour, iodine to salt, and fluorine to water was harmful to health. Such "mass medication," he said, was an infringement of liberty of individuals.

Lord Webb-Johnson denied that such addition was mass medication. "It is the reinforcement of nature's supplies in a particular district."

TRADE NOTES

An Improved Product. — Carnegies of Welwyn, Ltd., Welwyn Garden City, are now offering aminophylline, B.P., as a fine, white, odourless powder.

Tonic Elixir.—Biorex Laboratories, Ltd., 47 Exmouth Street, London, E.C.1, announce the introduction of a new speciality, Biotone tonic elixir.

Trusses at Discount Terms.—Sayers, Silcox, Cuzner & Co., Ltd., 11 Story Street, Hull, are offering spring and elastic band trusses at discount terms.

Tablet Machine Overhauls.—I. Holland, Ltd., 128 Waterway Street, Nottingham, undertake the repair, overhaul and, if necessary, complete rebuilding of tableting machines of any make.

An Additional Size.—Genatosan, Ltd., Loughborough, Leics, have made available 10-mgm. tablets of isoprenaline sulphate in addition to the 20-mgm. tablets previously listed.

On D.D. List.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, reaffirm that their product Lethidrone brand injection of nalorphine hydrobromide is subject to control under the Dangerous Drugs Act.

Lightweight Magnifier.—The Handimag, a high-power magnifier, weighing only 1 oz., attractively boxed, is made by Combined Optical Industries, Ltd., 11 St. Bride Street, London, E.C.4. With six a display piece is provided.

In Ample Supply.—Sandoz Products, Ltd., 134 Wigmore Street, London, W.1, announce that Cafergot tablets (for the oral treatment of migraine) are now readily available. Prices are quoted in the Sandoz price list circularised on February 1, 1954, copies of which may be obtained on request.

Sponge Display Basket.—A 3-ft.-high metal mesh basket, finished in high-gloss Royal blue, for displaying natural sponges, is offered free to stockists of Reliance sponges, the suppliers of which are Cresswell Bros. Sponges (World Natural Sponge Suppliers, Ltd.), International Building, Buck Street, Camden Town, London, N.W.1.

London Wholesalers' Telephone Numbers.—An ABC guide to telephone numbers of London pharmaceutical manufacturers and wholesalers is issued to chemists by J. N. Whitelaw, Ltd., paper merchants and printers, 2 Weir Road, London, S.W.12. In order to ensure correct details, Messrs. Whitelaw invite all manufacturers and wholesalers in the London area to send them a card giving their present telephone number. No charge is made for entries.

Bonus Offers.—ADDIS, LTD., Brushworks, Hertford, are again operating a points bonus scheme as in 1953. For dealers who prefer it, there are also three fixed parcels. Details of the offers are given on other pages.—INNOXA (ENGLAND), LTD., 1 Eden Street, London, N.W.1, are opening the "barrier cream months" with a "five-star" display bonus on Innoxa barrier creams; details are given on another page.—SOUTHON LABORATORIES, LTD., 84 Upper Richmond Road, London, S.W.15, are offering a bonus of thirteen to the dozen Esobactulin in return for a display.

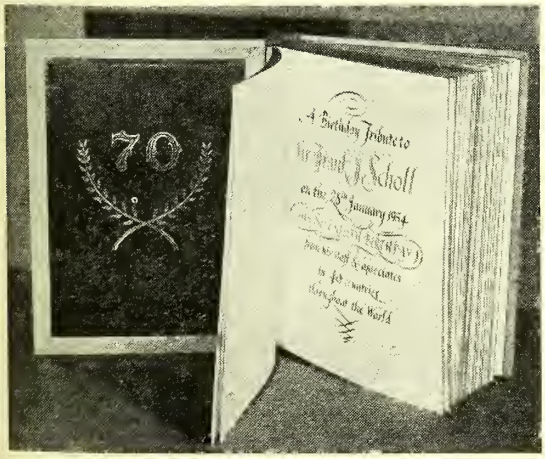
Pre-Budget Arrangements. — During the period February 1 until the date of the 1954 Budget, ASPRO, LTD., Slough, Bucks, are extending to all direct buyers not registered for purchase tax their full normal direct terms on any orders for the following minimum quantities, however many such orders are sent: six showboxes of Aspro 5's tapes; one showbox of 3 doz. Aspro 27's.—MACLEANS, LTD., Great West Road, Brentford, Middlesex, are offering retailers protection against loss caused by reduction of purchase tax on goods purchased by non-registered retailers direct from the company between February 1 and Budget day. The protection is a credit of 50 per cent. of any reduction in purchase tax on all direct purchases during the period March 1 to Budget day, irrespective of any sales made prior to the Budget, or 25 per cent. of any reduction during the period February 1-28.

A "FOOT COMFORT" LANDMARK

Mr. F. J. Scholl celebrates his seventieth birthday

FRIENDS and staffs from many countries attended the seventieth birthday celebrations in London on January 28 of Mr. F. J. Scholl, founder of the Scholl Manufacturing Co., Ltd., 182 John Street, London, E.C.1.

At mid-day the London office and factory staffs attended a reception at the company's headquarters. Dr. William Scholl had flown to London that day from America, and Mr. Scholl's son (Mr. W. H. Scholl, a director) and daughter (Miss Barbara Scholl) were also present. On behalf of the staffs of the factory, head office, warehouse and shops, and of the salesmen, Mr. E. Temy (a director) presented Mr. Scholl with a walnut cocktail cabinet. In the evening a dinner in honour of Mr. Scholl was attended by the directors of the European Scholl companies and agencies, including those of Amsterdam, Paris, Oslo, Madrid, Frankfurt, Brussels, Basle, Stockholm and Copenhagen, with other visitors from overseas companies and representatives of the staffs of the shops throughout Britain. Among the gifts Mr. Scholl received was a "world book of signatures," in handsome calligraphy, with messages from over forty countries, each in national style. Mr. Scholl, who began life on the farmlands of Indiana, U.S.A., set off with his brother (Dr. William Scholl) for Chicago to "make their fortune." Impressed by the extent of foot troubles, they began producing devices to ease them. The service they started now has 103 branches in Britain and 400 in forty different countries. The British company was founded in 1910 after the brothers had decided to "divide the world" between them. From London all the sterling-area countries are supplied.



Left: "World book of signatures" presented to Mr. F. J. Scholl on his seventieth birthday. Right: Members of the family at the top table at the dinner given in Mr. Scholl's honour (left to right, Mr. W. J. Scholl, Mrs. and Mr. F. J. Scholl and Dr. William Scholl).

BRITISH VETERINARY CODEX

Talks on its Production and Monographs

THREE-AND-A-HALF years' work in compiling the first standard reference book on veterinary medicine was described at a series of two evening meetings which took place in London on January 14 and 27, to introduce the British Veterinary Codex. Mr. C. W. Maplethorpe (chairman of the Codex Committee) was in the chair at both meetings. Addresses were given by the chairmen of the four subcommittees among whom the work had been divided, and at each meeting a short introductory address was given by Dr. K. R. Capper (editor, scientific publications, Pharmaceutical Society). In his first address Dr. Capper described the setting-up and composition of the committee and allocation of the work between the four subcommittees. He then outlined the work of two of those, the action and uses subcommittee and the biological products subcommittee. The first of them, under the chairmanship of Dr. J. Carmichael, selected over 400 substances known to be used in the treatment of animals to be the subject of monographs in part I of the book and prepared statements on their action and uses.

The Codex was not intended to replace textbooks of veterinary therapeutics and therefore did not deal at length with methods of treatment or with uses based on reports of trials with a small number of cases only.

Work of Subcommittees

The action and uses subcommittee prepared paragraphs under the heading toxicity, dealing with poisoning and its treatment, and decided on suitable dosage ranges for various animals; also, in collaboration with the formulary subcommittee, it selected suitable preparations for inclusion in the formulary section of the Codex. The biological products subcommittee, under the chairmanship of Dr. R. F. Montgomerie, had a different task. After selecting about seventy antitoxins, vaccines and similar products to be the subject of monographs in part II of the Codex, individual members were given the job of preparing drafts which included not only information on the action and uses of the products, but also on the methods of preparation and suitable specifications. That subcommittee was also asked to prepare the action and uses sections of the monographs on hormones and antibiotics and for that purpose two small secondary subcommittees were set up consisting of persons expert in the use of those substances. The responsible subcommittee did not consider that there was adequate evidence that the action of antibiotics as veterinary food supplements was therapeutic or even prophylactic, nor, as in the case of vitamins, did a lack of antibiotics produce deficiency diseases, so that it seemed unnecessary to include information on that aspect in a Codex dealing with the use of substances solely as medicines. It was hoped that the British Veterinary Codex would be found useful in other countries, as well as in Great Britain, and veterinary surgeons overseas had been appointed as corresponding members of the committee.

Titles

The arrangement of the British Veterinary Codex was similar to that of the British Pharmaceutical Codex, except that the omission of surgical dressings, ligatures and sutures and preparations of blood had reduced the number of parts into which the book was divided. The titles used for drugs in the British Veterinary Codex were those used in the British Pharmacopœia and British Pharmaceutical Codex or issued as approved names by the General Medical Council, with the exception of those for drugs not used in human medicine. For those, names based on the principles used in coining approved names had been used. The nomenclature committee of the British Pharmacopœia Commission had given valuable advice on their selection. Many users of the book would be more familiar with proprietary names, and appendix XVI contained a list which gave British Veterinary Codex equivalents for those. The main titles for drugs and preparations were in English, as in the new British Pharmacopœia, and a comprehensive index and a considerable number of page references in the text had been included.

A therapeutic and pharmacological index enabled veterinary surgeons interested in the treatment of a particular disease to discover in which monographs it was mentioned, and the general notices explained the style of the book and the conventions used in the text. In cases of substances included in the B.P. or B.P.C., but whose official standards had been modified, the title was prefixed by the word "veterinary." In a few cases two qualities were included, and in those for which the specification was less stringent the phrase "second grade" has been added to the titles.

It was hoped that those purchasing medicines for animal treatment would support the effort being made to control their quality by demanding that such medicines should comply with the standards of the British Veterinary Codex and that manufacturers would indicate that their products complied with the standards by adding B.Vet.C. to their labels.

The production of the first edition of a book of such size and complexity had entailed a great deal of office work. The organisation of that had been largely in the hands of Mr. R. G. Todd (secretary of the committee) and much credit for producing the book was due to him and his collaborators. In his opening address to the second meeting, Dr. Capper said that, in order that the British Veterinary Codex should be as useful as possible, it was essential that it should include an adequate range of formulas containing the drugs which had been selected. The British Veterinary Codex Committee, therefore, appointed a subcommittee to prepare a formulary section with Mr. Fishburn, an expert on formulation, as its chairman, and to assist him pharmacists with experience in different branches of pharmacy and four veterinary surgeons. The formulary subcommittee had to examine lists of preparations compiled by the action and uses subcommittee, and to recommend additions and deletions. To avoid unnecessary multiplication of formulas, whenever B.P. or B.P.C. preparations had been considered suitable those had been selected, so long as each preparation was suitable for its particular function in the treatment of animals.

New Formulas Tested

If new formulas were necessary experimental batches had been prepared and subjected to storage tests. In that connection the absence in veterinary pharmaceutical practice of the equivalents of those hospital pharmacists whose experimental work on formulation has greatly helped B.P. and B.P.C. Committees had been noticed. Since it was realised that the formulas of the preparations would be of interest to veterinary surgeons and others who might not have access to the B.P. and B.P.C., details of formulas and methods of preparation of B.P.C. preparations had been given in full. The British Pharmacopœia was not the property of the Pharmaceutical Society so that the amount of detail which could be given on B.P. preparations was restricted, but the monographs gave the concentration of the main ingredients and the names of supplementary ingredients, together with such other information as was necessary to indicate clearly the character of the preparations and to enable their value for any particular purpose to be assessed.

The analytical standards subcommittee had had as its chairman Dr. Garratt, whose long association with the analytical control of drugs was well known to pharmacists. The amount of information given in each monograph had been based on the assumption that manufacturers and others who would require details of limit tests and assays would have access to the B.P. or B.P.C. It was therefore considered unnecessary to give full standards for B.P.C. drugs. The introductory sections of the monographs defined the drug and usually gave a brief description of the methods of its preparation. In the case of B.P. or B.P.C. drugs where the standards were referred to in those books, the more important specifications were also given in the introductory sections. A drug or preparation was not of British Veterinary Codex quality unless it complied with all the requirements under the heading "standard." Drugs of biological origin, in order to comply, must come from the source or sources stated in the introductory section of the monograph. The Codex committee was indebted to Professor Burton and Professor Linnell for their advice on chemical nomenclature.

A report of the papers read at the meetings will be given at a later date.

FIGURES IN THE PHARMACEUTICAL WORLD

14. DR. DON E. FRANCKE

IN the list of presidents of the American Pharmaceutical Association the name of a hospital pharmacist is as rare as among presidents of the Pharmaceutical Society of Great Britain. The reason is the same on both sides of the Atlantic. Hospital pharmacists are a small minority of the total, and it is difficult for one of their number to secure the quantum of votes necessary for election to the governing body of his profession.

Dr. Don E. Francke, who has held highest office in the American Association, is one of the outstanding exceptions. He has shown his calibre in many ways, but in one especially that will make him always a welcome visitor among pharmacists in Britain: he was the first president to make the Transatlantic crossing to attend a British Pharmaceutical Conference during his year of office. That was in Harrogate in 1951. Two years later, though no longer in office, he was again in Britain to attend both the British Pharmaceutical Conference in London and the biennial meeting of the International Pharmaceutical Federation in Paris. At both he enriched the proceedings by his personal contributions, and it is noteworthy (though he was not the official head of the United States delegation) how high his standing universally was, especially among hospital pharmacists.

Pharmacist son of a pharmacist, Don Eugene Francke, aged forty-three, graduated Bachelor of Science in Pharmacy at the College of Pharmacy, University of Michigan, in 1936, going on to become Master of Science in Pharmaceutical Chemistry at the same University in 1948 and Doctor of Science (honorary) at Purdue University in 1951. He has been chief pharmacist at Michigan University Hospital since 1944 and director of the division of hospital pharmacy of the American Pharmaceutical Association since 1950. A life member of the Association since 1936, he has been a member of its Council since 1948, and was its president, 1951-52, after three consecutive terms in the presidency of the American Society of Hospital Pharmacists.

The published works of Dr. Francke show him to have a wide range of interests—technical (with papers on propylene glycol, hexachloraphene, aureomycin, etc.); professional (on higher standards for hospital pharmacy); educational (on teaching students in hospital administration); and international ("One World for Pharmacy"), to select but a few from a long list. Dr. Francke collaborated in the authorship of textbooks on materia medica and the art of compounding, and is the editor of the formulary of the University Hospital, Ann Arbor, Michigan. Since 1944 he has edited also the Bulletin of the American Society of Hospital Pharmacists. For "significant contributions to the practice of hospital pharmacy" he gained in 1953 the H. A. K. Whitney lecture award presented by the Michigan Society of Hospital Pharmacists, adding it to the J. Leon Lascoff memorial award, 1948, for contributions to professional pharmacy. The American Society of Hospital Pharmacists accorded him life membership in 1952.

His pharmaceutical department at Ann Arbor is one of the most highly developed in the United States and incorporates laboratories for the manufacture of galenicals and parenteral solutions. Under Dr. Francke and his immediate predecessor H. A. K. Whitney the department has become a nursery of keen young pharmacists who have carried its high traditions to many distant parts of the Union and who corporately deserve the credit for the rapid advances that have been made in American hospital pharmacy in the past few years.

Not surprisingly, so versatile a pharmacist has been called upon to represent his professional colleagues at numerous conferences, and Dr. Francke has become quite a world traveller on such missions, his appearances abroad including, in addition to those already mentioned, Japan, 1949; Peru, 1951; and Rome, 1951. At Paris, in 1953, he put before the editors of pharmaceutical publications a noteworthy suggestion for organising the circulation of selected pharmaceutical abstracts on a world-wide basis. The cause of international pharmacy he has served well in his own country by expounding the Federation to his professional colleagues in the *American Professional Pharmacist* and his own *Bulletin of the American Society of Hospital Pharmacists.* As a speaker his topics have, naturally enough, been drawn principally from hospital pharmaceutical practice. As editor his writings, addressed to hospital pharmacists, have shown a far from parochial breadth that may derive from his German-Irish ancestry. His many friends in Britain will look forward to many "repeats" of his visits to conferences on this side of the Atlantic.

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Veterinary Pharmaceutics and the Syllabus

THE firm stand taken by a number of pharmaceutical chemists in rural areas to resist what appeared to be an undermining by the Pharmaceutical Society's Council of their legitimate business in the supply of veterinary medicines is sufficiently recent to be within the minds of all. It is important that the educational background should also correspond with realities.

The Pharmaceutical Society has taken the lead in (and performed the principal work on) producing a Veterinary Codex, and has held two evening meetings in London at which the Codex has been expounded to members. How curious, therefore, that the drugs and preparations peculiar to veterinary practice are almost completely neglected in the training of a pharmacist. Dispersible powders, for example, are in frequent use in the treatment of diseases in animals. What would be the reaction of a candidate in the practical pharmaceutics examination if he were called upon to prepare such a powder? It may be doubted whether all students would even know what was meant.

There are, too, drugs—of which phenothiazine may be cited as an example, since it is used at the rate of hundreds of tons a week—whose use is almost entirely in the veterinary, not the human, field. One would like to think it was suitably dealt with in the lectures on pharmaceutical chemistry.

Obviously veterinary medicines are made by pharmacists, or should be, and there should be no insufficiencies or doubts in their ability to tackle any pharmaceutical problem they may ever be called upon to face. Not the least of the responsibilities the Society shouldered in sponsoring the B. Vet. C. was the responsibility of equipping its own members to use it intelligently, and we look forward to some modification in the syllabus to demonstrate that veterinary pharmaceutics is fully provided for in the training given to entrants to the profession.

The Walrus and the Co-operative Society

THE Northampton Co-operative Society, Ltd., is the tenant of property occupied by its grocery department at Newnham Road, Northampton. The tenancy is under a lease, and the landlord is the Northampton Corporation. As is not unusual in a lease, there are terms governing the classes of goods that may be sold at the premises. The society has apparently been selling pharmaceutical goods, which the Corporation declares are not among the permitted classes, and a recommendation has been made by a committee to the Corporation (but not carried) that the society should cease selling certain specified goods, including pharmaceutical and medicinal, or give up the lease.

The dispute would seem simple and straightforward enough—to be settled, we should have thought, either between the solicitors out of court or by the magistrate or judge in court.

In principle, this paper is against grocery departments selling medicines, because we believe that, in modern conditions, all drugs should be supplied by persons who have had a statutory training in handling them. But all the same we recognise that under current law there is no reason, apart from any contractual obligation, why the Newnham Road grocery department should not deal in drugs in the same way and to the same extent as do many other co-operative grocery departments.

What interests us is the strange method by which the society seeks to meet the comply-or-quit situation in which it fears to find itself. In an advertisement in the *Northampton Chronicle & Echo* the society addresses an open letter to its members telling them that they have a right to expect from the department the supply of "normal requirements," and inviting public signatures to a petition. But what the petition concerns itself with is not the rights of members but preservation of "the society's freedom to trade." It goes on to ask the town council "to exercise its powers in the public interest" Thus members' rights having been cunningly implied, the signatures are for the real objective, the society's own "freedom," which is identified with the public interest. But is it in the public interest to repudiate a contract, to sidetrack the tribunals, and to create a clamour in which a landlord hesitates to enforce his lease? Does that conduct "preserve" a freedom, or does it not rather create an anarchy? We are reminded of a situation dealt with in oft-quoted verses. Tears for the oysters, but a meal of them notwithstanding!

Interference with Party Walls

WHERE a wall separates the building of one property owner from the building of another, and work is contemplated by one of the owners which involves interference with the wall, what are the rights of each owner?

Suppose owners A and B have adjoining buildings divided by a single wall, which gives support to the buildings on either side, and that A wants to pull down his building and rebuild it. If the work contemplated necessitates making an opening in the party wall, or cutting into it, or making it of a greater thickness, or otherwise interfering with it, what are B's rights in the matter? Before owner A is entitled to put the work in hand he is required, under the London Building Acts, to observe the procedure there laid down. If he fails to do so in any respect he may find himself in serious difficulty.

He must first serve the adjoining owner with the appropriate "party structure notice" and the notice must be clear and unambiguous. It must state the nature and particulars of the proposed work. Specifica-

tions and plans and drawings should accompany it, so that the adjoining owner knows exactly what is proposed to be done. The notice must also state the time at which the work will be begun. If it does not comply with all those requirements, the building owner will not be entitled to commence the work. Where premises are let on lease and the tenancy is for a fixed period and not from year to year, not only the landlord but also the tenant satisfies the description of "the adjoining owner." Every person who is in receipt of rents from the adjoining property or any part of it, or who is in occupation of it as a tenant with a greater interest than that of a yearly tenant, must be served with the notice.

The adjoining owner, on receipt of the party structure notice, may desire to object and to put forward counter suggestions, in which event he should serve a counter notice on the building owner indicating his objections and counter proposals. If the building owner does not consent to the counter notice a difference is automatically regarded as having arisen between the two owners. Where the adjoining owner expressly objects, or fails to give his consent within fourteen days, or to put forward counter proposals, a difference likewise arises.

A special procedure is laid down for settling the differences. The first step is the appointment of a surveyor to go into the matter. Only if the parties agree can a single surveyor be appointed. Otherwise each party appoints his own surveyor and thereupon the two surveyors appoint a third. The surveyor or surveyors, as the case may be, adjudicate on the matter, and make an award settling the dispute. The award may determine the right to execute any work and the time and manner of its execution. The award further deals with the costs incurred in connection with the award, as well as the cost of the reasonable supervision of carrying out any of the work. The award is conclusive unless an appeal is brought against it to the County Court within fourteen days of delivery.

The Act provides for the apportionment of expenses between the building owner and the adjoining owner or owners, though in some cases the expense may have to be borne solely by the building owner. Thus the building owner must himself bear the expense of underpinning, thickening, raising or cutting into any party wall. In cases in which the adjoining owner may be regarded as benefiting to some extent from the work done in relation to the party wall, the expenses are apportioned in proportion to the use which the two owners make of the wall, and in some cases to the thickness of the party wall which is required for support of their respective structures.

For One Month Only

THE "exceptional pricing concession" in respect of prescriptions for butazolidin that was the subject of a leading article last week (*C. & D.*, January 30, p. 109) applies only to prescriptions dispensed during the month of January. For "during 1954 only," therefore, contractors should read "during January 1954 only."

CORRESPONDENCE

IN THE DARK

SIR,—May I ask why manufacturers put their bulk products into dark glass bottles even when light effect does not enter into it? I have received a bottle of Suphatriad suspension, the glass of which is so dark I cannot see a lighted 150-watt lamp through it. How does one really tell whether the contents have been shaken up properly—or even if the bottle is clean when stuff is put into it? Why not use clear glass containers?

NEWCASTLE, STAFFS W. P. RICHARDS

GETTING SOMEWHERE

SIR,—I received the notice regarding payment of my personal retention and register of premises fees, together with a leaflet: "Statement upon Matters of Professional Conduct." Having digested all the readable matter, I gladly signed my cheque—although, for a professional body it is less than what I pay to be a member of a golf club!—and hied myself to the post office to dispatch it. I felt that, having read the Statement, we *were* getting somewhere, albeit very slowly. *En route* I had to pass a multiple store whose proprietors, until recently at least, self-styled themselves the "national chemists." I was completely enthralled, on looking into their windows on the main shopping thoroughfare, by their displays, which would leave no doubt in the mind of the public that here was a pharmacy. One window had toilet products similar to those any hairdresser's shop shows, while the other showed clearly the high ethical standard that pharmacy now attains: there were umbrellas, alarm clocks, handbags, children's painting sets, etc. I was truly sorry my envelope was sealed, otherwise I would have taken out my cheque and doubled it. It struck me that the window-dresser had tried his best to convey to the public a picture of pharmacy. The umbrellas represented the rainy day we are being warned to expect. The alarm clocks exemplified the fact that we are wide awake, albeit by artificial means. The handbags represented the large money bags necessary to hold all the shillings we collect, together with the back-payment cheques. The display of the painting sets was rather cunning, I thought. It was meant to show that art was not confined to the Royal Academy, but that there was an "art of dispensing." The firm in question have been in Shorthorn and Aberdeen Angus cattle-breeding for some time now. I can see a wonderful uplift coming to pharmacy when they put in a window displaying, say, beef extracts with the head of a bull as centre-piece and surrounded by a "wreath" of sausages with a card, "Our beef is good for you—in extract or in sausages." Onward from Galen!

ST. ANDREWS A. W. KEITH

ROTA HOURS

SIR,—The Committee of this branch of the Pharmaceutical Society views with alarm the growing tendency towards longer hours for retail pharmacy. It is regrettable that some members of the branch have had to complain to the committee that, whereas they themselves observe the hours of service as recommended by the Executive Council in whose area they operate, there are others who do not conform. The committee feels that the recommended rota hour should be adequate for all dispensing after the normal shop closing time, and that members who remain open after that time do so to the detriment of their fellow-members. Eventually that can only lead to a complete breakdown of the rota arrangements, with far-reaching effects on all members. The committee also recommends that, in areas where no rota arrangements are in operation, members should approach their Executive Council to see if one cannot be arranged. One of the main objects of the branch is to promote friendly relations and co-operation between its members. Non-observance of suggested hours of service is causing friction, and the committee appeals to its members to give serious consideration to the Executive Council's recommendations, which are designed for mutual benefit.

C. E. TURNER,
STOKE-ON-TRENT G. R. S. MEE, *Secretaries*,
NORTH STAFFS BRANCH OF THE PHARMACEUTICAL SOCIETY

THE PASSING OF TWO STALWARTS

By Arthur E. Bailey

THE loss to pharmacy of two outstanding personalities such as George A. Mallinson and George A. Tocher within a month of each other has, I am sure, touched the imagination and stirred the memories of most of their surviving contemporaries. As an actor in some of the earlier events that brought them both into prominence I may, perhaps, put on record a few recollections of those hectic days which attended the birth of the National Health Insurance scheme.

A Plan for London

C. B. Allen was president of the Pharmaceutical Society for 1911-12 and 1912-13. Edmund White followed with a five years' presidency. Richard Brembridge gave place in 1913 as secretary at Bloomsbury Square to W. J. U. Woolcock, who remained in office for five years. At that time chemists' associations were almost independent units and their ties with headquarters were sometimes extremely tenuous. On the passing of the N.H.I. Act in 1911, George Tocher was seized with the desire to see the whole of the London area united under one association. His scheme of organisation provided for all London chemists' membership to be divided among five or six local associations, with a central committee to be appointed from them to deal with the new situation created by the N.H.I. proposals. Among existing associations the North London was one of the most vigorous, under the secretaryship of Herbert Skinner, another colleague whose memory I cherish.

Thanks to Tocher's earnest advocacy the central committee was established. He was appointed its secretary, and during 1912 he devoted himself to perfecting the offensive/defensive organisation set up. Similar activities were carried on all over the country. Mallinson was organising in Manchester. I was secretary of the newly formed Middlesex Pharmaceutical Association under the chairmanship of John Humphrey (then Editor of the *Pharmaceutical Journal*). J. E. French was responsible in Kent. W. H. Fowler was secretary for Surrey County. One of my most vivid memories is of a scene at No. 17 when the members of what was the forerunner of the Middlesex Pharmaceutical Committee, many of them well-known proprietor pharmacists and drawn from all parts of the county, gathered round the large oval table in the Council chamber and, during several hours of intensive clerical work, dispatched copies of the first Drug Tariff, forms of contract and other administrative documents to each pharmacist practising in Middlesex County. The kindly help of Mr. Chater, Mr. Froude and other members of the headquarters staff at that time was gratefully appreciated.

The pharmaceutical clauses of the new Act became operative in January 1913. In the autumn of that year I gave up private proprietorship in Highgate and joined Woolcock in Bloomsbury Square, to take charge of the section set up to price prescriptions and investigate drug tariff principles. In May 1914 the London Pricing Office was established and, being appointed its superintendent, I continued at the Square, occupying the old editorial offices in Russell Street and pricing prescriptions for both London and Middlesex Counties until we found our own offices for London, first in 1915 in Chancery Lane and then, in 1916, at Canonbury, where we stayed twelve years. That year saw the official establishment of the regional joint pricing offices and the introduction of the "Commercial" decimal drug tariff.

Mallinson came to Bloomsbury in 1916 to superintend the rapidly developing N.H.I. department of the Society's activities, while Tocher assiduously prosecuted his pioneer work as secretary of the London County Association and the London Pharmaceutical Committee, a task he was destined to carry on for nigh on forty years. In passing, I may mention two well-known lady pharmacists whom I am glad to remember as colleagues at Bloomsbury. Miss D. M. Braithwaite remained there, when we moved, as superintendent of the Society's Checking Bureau. Mrs. J. K. Irvine went with me to Chancery Lane for a short time before being appointed superintendent, first of Surrey and later of the combined South-eastern Pricing Offices. The Retail Pharmacists' Union organisation, established in 1921, quickly absorbed the Society's N.H.I. department—and George Mallinson. In actual fact, he was the Union, and the monumental life work which he then commenced has benefited immeasurably every pharmacist who now practises his calling within the British Isles.

Tocher continued to occupy his observation tower on an upper floor of Bank Chambers, High Holborn, to watch over the interests of London contractors, to maintain, develop and improve the conditions of service for his constituents, to advise, encourage, assist and even admonish, when necessary, any London chemist engaged in N.H.I. dispensing work. It is extremely doubtful whether the individual contractors on the London "panel" list were fully aware of all that George Tocher did for them during the thirty-five years' currency of the N.H.I. scheme. He was active on committees and at conferences. He was ready to take part in social events connected with any of the constituent local associations of the London group. His telephone number must have been the most popular in London. Hundreds of contractor pharmacists were much more familiar with his voice than with his visage. He later took his place on the London Insurance Committee (where Woolcock had been the first representative) as a Ministry nominee to represent chemists' interests and to preserve the efficiency of the pharmaceutical service. In that capacity he carried on an able partnership with the late Mr. A. R. Melhuish for many years.

Everything for "his" Contractors

Mallinson's Checking Bureau ran smoothly, bundles being collected regularly and the Pricing Office being furnished monthly with individual check sheets, showing variations up or down after examination of London chemists' prescriptions. The audit was always meticulously carried out and Miss Braithwaite, on the general work, and Mallinson, on any questions of principle, were always most approachable and tolerant in discussions on results. Concurrently, Tocher and I had many a half-hour "confab." over those check sheets—and on other matters calling for mutual discussion—before the monthly meetings of the Insurance Committee, which he regularly attended. He was ready at all times to go anywhere and do anything to protect and further the interests of any one of his contractors. He has rescued many a bundle from the obscurity of some back shop on an intimation from me that I wanted the prescriptions, whose submission was delayed, in order to complete my investigations on the frequency of prescribing. A mere hint of irregularity would send him off to Poplar or Putney to explain or reprove, and to straighten out difficulties that impeded the smooth working of the administrative machine. Perhaps his best effort was in a case where one contractor, for various reasons, retained his prescriptions over a period of three or four years and frequent official protests failed to produce satisfactory results. A despairing appeal to "George" sent him post-haste to the scene of action with a big bag, where he collected the salvage, sorted and arranged the forms for different periods in his own office, and, without undue delay, delivered them to the pricing office, so satisfying official requirements and securing long overdue and quite considerable payments for the delinquent contractor.

We had many an argument over quite insignificant decimal figures, and though he would doggedly stick to his point to the last ditch, he was always open to conviction. The evidence had to be incontrovertible to persuade him to abandon his original contention. Yet, throughout any discussions, he maintained an equanimity and an unruffled demeanour that endeared him all the more to his opponents, and his obvious sincerity and singleness of purpose in all he undertook were his passport to everyman's goodwill and even affection. On no occasion was that more movingly demonstrated than at the informal farewell dinner under the chairmanship of Clifford Evans given in his honour on his retirement.

Strong Points

Over the years both Mallinson and Tocher worked out their own destinies and faithfully fulfilled the purposes they had set themselves. Personal contact with both over a long period leads me to express the opinion that Mallinson's strong points were in the organisation and development of new services, in taking the lead in conference and discussion of important principles or proposals, and in negotiation over fundamentals on a national scale. All those things he was prepared, on occasion, to carry through alone. Tocher's gifts lay rather in his own personal effort, in the gentle but firm persuasion of the individual and in pertinaciously following up a principle even to the point of fanaticism. He served his Committee ably, guided their counsels, carried out faithfully their decisions. Throughout nearly forty years he kept the London Pharmaceutical Committee in the forefront of the continuous crusade conducted on the national level for a wider recognition of the essential place of the pharmacist in any publicly sponsored health service and for more generous terms of remuneration for the professional service the pharmacist renders.

Mallinson's work naturally drew him away from the details of executive action to the higher levels where principles were settled and policy was framed. London was Tocher's parish, and in it he was prepared to act as vicar or verger according to the requirements of the job that had to be undertaken. Mallinson became a national figure, Tocher a local hero. Both served the cause of pharmacy unswervingly to the best of their ability in their own particular way. In affection and esteem, I salute the memory of these two great-hearted colleagues.

ADVISER TO THE PHYSICIAN

By Svend Aage Schou

As the pharmaceutical work in pharmacies disappears or is taken over by technical assistants, other demands are made on the pharmacist. His work becomes of more theoretical character, with regard both to chemistry and to the business side, but in particular with regard to pharmacology. He must represent that knowledge which will raise the pharmacy above the level of an ordinary shop to a businesslike concern with a distinctive character, which entitles it to the confidence of the public and the physician and to an esteemed position in the general health service. The pharmacist must not reduce himself and his shop to shopkeeper level. He must lift them into the sphere of a specialised profession. You and I are responsible for the future of pharmacy. The man who puts his hand in his pockets and considers himself unresponsible for the future is not only a coward but also a traitor to the profession. Pharmacy should have had time to adjust itself to new conditions, but a continued adaptation, possibly a change of views, will still be necessary. It should lead us to the point where the pharmacist becomes the physician's adviser on remedies and on pharmacotherapy. The benefit of that development has been demonstrated long ago in hospital pharmacies and by the activities of pharmacists in biological and chemical laboratories. The pharmacist should also extend his possibilities as adviser to the public in daily technical questions, including the chemistry of food and domestic hygiene. The pharmacist should not allow the pharmaceutical work, or the research work as management and administration, in the medical industry to slip through his fingers. The Danish medical industry employs a significant number of the country's practising pharmacists, to the satisfaction of both parties. The pharmacist ought also to offer his knowledge of chemistry and bacteriology, and his forthcoming knowledge of radiation problems for the protection of the public.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on January 15, the president (Mr. W. H. Boyd) in the chair. Also present were Messrs. W. P. Ewart (vice-president), S. E. Campbell, H. P. Crossin, H. W. Gamble, J. Irwin, J. McGregor, H. F. Moore, C. A. Quinn, Walter C. Tate, and Professor E. B. C. Mayrs, M.D. The secretary (Mr. W. Gorman) was in attendance. Apologies for absence were received from Messrs. H. H. Cowzer, F. R. Moore, and P. R. W. Shinner.

The secretary reported receipt of a copy of the Dangerous Drugs Act, 1951 (Application) (No. 2) Order, 1953, No. 1680, applying Part III of the Act to the sales of N-allylnormorphine. It was agreed to refer to the Education Committee, for report, a letter from the secretary of the British Pharmacopœia Commission, inviting the Council's co-operation in examining the scope of the ninth edition.

Reciprocity

A letter was read from Mr. F. W. Adams (a secretary and the registrar of the Pharmaceutical Society of Great Britain) on reciprocal recognition of pharmaceutical qualifications among the organisations in the British Commonwealth. He wrote that it was proposed that those who qualify in future for registration by the respective organisations should be eligible for reciprocal registration only if, in obtaining their qualification, they had studied for at least three academic years in a university or similar institution, in addition to a period of practical training. That proposal was agreed to, but the secretary was asked to mention in reply that the new educational programme drawn up could not be introduced for some time and that there would be a considerable delay before the Northern Ireland students qualified after taking the three years' academic course.

The report from the Education Committee, which was adopted, included a recommendation that the Certificate of Apprenticeship be granted to Vincent Oliver Mawhinney, Lurgan; Brendan Anthony Murray, Coleraine; and Philip Joseph Treanor, Cookstown.

Awards to Students

The report from the board of examiners on the Society's December 1953 examinations, showed that of seventy-five candidates for the Final Part I, twenty-four passed, thirty failed, sixteen failed in biology, two in chemistry and three in physics. In the Final Part II, sixty candidates sat, thirty-two passed, fifteen failed, three were referred in pharmaceutics, three in pharmacognosy, three in chemistry, three in forensic pharmacy and one in physiology. The board agreed to grant a special prize to Mr. P. A. Rooney who had reached a very high standard in chemistry. After the meeting successful students were presented with their certificates of qualification and congratulated by the president. Mr. H. G. Clarke received the prize for the best Final Part I student during 1953. Mr. P. O'D. Fox thanked the president and Council on behalf of the students.

On this day one hundred and fifty years ago died

JOSEPH PRIESTLEY

Discoverer of Oxygen

By W. R. Bett, M.R.C.S., L.R.C.P., F.R.S A., F.C.S.

JOSEPH PRIESTLEY, who died a century and a half ago (on February 6, 1804), is a unique figure in the annals of science. An amateur chemist, untrained and lacking the scientific knowledge to carry his chance experiments to their logical conclusion, his epoch-making work made the name of England honoured by the whole scientific world, and his pioneering genius opened up new roads for countless others to tread. Baron Cuvier called him "the father of modern chemistry, who would never acknowledge his daughter."

Born of sturdy Yorkshire Puritan stock on March 13, 1733, at Fieldhead, a farm in the West Riding parish of Birstall, Priestley was educated at Batley grammar school, where he learned Latin, some Greek, and Annet's system of shorthand. Developing symptoms of tuberculosis, and while considering a post in Lisbon, he acquired a working knowledge of French, German, and Italian. His health improved, he went instead to Daventry Academy in 1751, and his drift from orthodoxy in religion dated from about that time. Henceforth he was to be an indefatigable controversialist both in theology and in politics. His scientific work still lay ahead. Four years later he became a presbyterian minister at Needham Market, Suffolk, but his preaching was marred by an hereditary stammer, for which he consulted a quack named Angier in London, returning about twenty guineas the poorer and with his impediment made worse.

It was after accepting a ministry at Nantwich in Cheshire that Priestley became interested in the pursuit of science. He also ran a school from 7 a.m. to 7 p.m., but found time to play the flute, which he selected as being the easiest instrument (he had no ear for music and so was the "more easily pleased"). In 1758 he bought some scientific books and apparatus and proceeded to perform simple experiments for his pupils. His researches on electricity began when the great Benjamin Franklin encouraged him to write *The History and Present State of Electricity* in 1767. He had been elected a Fellow of the Royal Society the previous year.

In 1761 Priestley became classical tutor at the famous Warrington Academy and was ordained in the following May. A call to the Mill Hill Chapel, Leeds, brought sufficient leisure to follow his scientific interests.

Pneumatic Chemistry

By 1770 Priestley had abandoned his electrical studies for chemistry, and soon became intrigued by the problem of combustion. In 1772 appeared his famous *Observations on Different Kinds of Air,* for which he was awarded the Copley medal of the Royal Society. A previous pamphlet described a process for making Pyrmont water ("soda water"), which he hoped might be useful to prevent "sea scurvy." "I can make better than you import," he wrote, "and what cost you five shillings will not cost me a penny. I might have turned quack." Priestley's work on gases is his greatest and most enduring contribution to science. Above all, his discovery that those gases too soluble to be collected over water could be obtained over mercury proved a great stimulus to research. The records show that he had liberated oxygen from saltpetre in 1771, but he failed to recognise the fact at the time. It was on August 1, 1774, that he obtained "dephlogisticated air" (oxygen) by concentrating the solar rays on some red oxide of mercury by means of a burning-glass. In the following year he inhaled oxygen:—

> I fancied that my breast felt peculiarly light and easy for some time afterwards. Who can tell but that, in time, this pure air may become a fashionable article in luxury. Hitherto only two mice and myself have had the privilege of breathing it.

Priestley could not know that that "pure air" would enable men to fly aeroplanes at otherwise impossible altitudes and to scale the summit of Everest. He also discovered nitrous oxide, sulphur dioxide, ammonia, and hydrochloric acid gas.

Priestley's Patrons

Joseph Priestley had several generous friends. In 1771 he was offered the post of "astronomer" to Captain Cook's second expedition. He declined, but in the following year he became librarian or "literary companion" to Lord Shelburne, later first Marquis of Lansdowne, and catalogued the valuable Lansdowne manuscripts now in the British Museum. He also received financial help from John Fothergill, the Quaker physician, and from William Heberden the Elder, who numbered George IV and Samuel Johnson among his patients. While travelling with Shelburne, he met Lavoisier in Paris, and told him about his experiments on air.

In 1780, after giving up his post as librarian, Priestley moved to Birmingham, where he attended the dinners of the "Lunar Society."

On July 14, 1791, a dinner was held by the Constitutional Society of Birmingham to commemorate the fall of the Bastille, and at it Priestley had intended to be present. Warned that there might be trouble, he stayed at home, but the rioters marched to his house and set fire to it, destroying his books, papers, and apparatus, and annihilating the labour of years. Priestley escaped to London, and three years later went to America. While Priestley was crossing the Atlantic, Lavoisier, whose brilliant work had been complementary to his own, was sent to the guillotine. Priestley made his home at Northumberland, where he died on February 6, 1804, correcting proofsheets on his death-bed. From 1783 he had suffered from gall-stones and lived chiefly on a vegetarian diet, restricting himself to one glass of wine at dinner.

Priestley was a methodical worker, whose voluminous writings on a diversity of subjects were generally composed at his fireside amid the conversation of his family and friends. Using the shorthand he had learned as a boy, he expressed himself in language that never left his meaning in doubt. The value of his great discoveries was obscured during his lifetime by his enduring fidelity to the phlogiston theory.

ESSENTIALS OF TREATMENT

A *C. & D.* "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

BY A MEDICAL MAN

21. INFECTIOUS DISEASES.—*continued*

AS stated in the previous article, general nursing in a case of fever is designed to provide rest, adequate diet, and symptomatic relief for the patient, and at the same time to prevent spread of the infection.

Rest

Rest is best secured by confining the patient to bed at least until about forty-eight hours after pyrexia has subsided. In a toxic patient the period is much longer. According to his condition a decision has to be made whether complete bed rest is required to an extent that prohibits the patient from rising to attend to his toilet. In order to prevent the spread of infection, it is desirable in many cases to insist that the patient shall not use the normal water-closet. Pyrexia is a factor that causes much discomfort to the patient, and this should be combated by means of sponging the whole body with warm water, as explained in the last article. Attention should be paid to personal clothing as well as to the bedclothes. Frequent changes of clothing often increase the personal comfort of the patient and thereby assist rest. The bedclothes should be arranged at frequent intervals, taking care to pull taut the sheet upon which the patient lies. The number of bedclothes should be minimal, and if necessary a cage should be placed in the bed to reduce the weight of the clothes resting upon the patient. In washing the patient attention should be paid to the pressure points (the buttocks and heels) and those parts should be massaged with spirit and dusted lightly with talcum powder. Arrangement of the bed is most important, and a tidy bed is often all that is required to provide the necessary comfort to enable the patient to go to sleep.

Attention should be paid to discharges, which may appear in the eyes, ears and nose. Those parts should be bathed and cleaned where necessary, and the cleaning material destroyed immediately. Oral hygiene is also most important, and it is wise to insist that patients, if capable, should clean their teeth two or three times a day. In infants the mouth should be swabbed frequently by a piece of cotton wool soaked in warm water and wrapped round the nurse's finger.

Not infrequently constipation is present. It can be treated in the usual manner with elixir of senna, syrup of figs or other suitable laxative. Glycerin suppositories may be of value in young children, and in older patients an enema may be indicated. Another gastro-intestinal upset may show itself in nausea and vomiting, but they are not usually sufficiently severe to warrant active treatment. Simple carminative mixtures may ordinarily be given. If vomiting is really troublesome, gastric lavage is probably the most effective means of relieving the symptoms.

In infants, persistent vomiting and/or diarrhœa are conditions that must receive immediate treatment, because the biochemical equilibrium of the tissue fluids is upset at an early stage and dehydration occurs. The significant drop in the infant mortality rate due to persistent diarrhœa has been produced as much by the more frequent use of intravenous therapy as by increased attention to hygiene.

Rest is frequently prevented by headache and malaise. Normally a mixture containing aspirin, phenacetin and codeine, in doses appropriate to the age of the patient, is all that is required to provide relief. A mixture is preferable to tablets because the latter can cause gastric irritation if they are not crushed before administration and, as has already been mentioned, nausea and vomiting may already be present. In more severe cases morphine or the more potent analgesics may be required.

Diet

During a fever, the metabolism undergoes certain characteristic changes, one of the most noticeable being an increased breakdown of the body proteins. One might think—legitimately—that that could be remedied by an increased intake of protein, but in practice it is better to give protein sparers in the form of carbohydrates. That course is advantageous because, not only do carbohydrates provide easily digested food, but generally speaking they are palatable. Palatability is a distinct advantage because to persuade a fevered patient to take food is often difficult owing to his loss of appetite. There is no doubt that cases of prolonged fever require a high calorie intake, though starvation in a fever of two or three days' duration does not usually cause much harm. It was Hippocrates who first advocated a semi-starvation diet for fever, and this view is still held in many quarters. Graves (a well-known physician who described the condition now known as hyperthyroidism or toxic goitre) advocated feeding patients. On his tombstone appears the words "He fed fevers." Theoretically and practically speaking, how right he was!

A toxic patient has more than a tendency to nausea and vomiting, and so, while aiming at a high calorie intake one has to temper one's enthusiasm in that direction by keeping them within the practical possibilities and desires of the patient. Fats have a high calorific value, but the patient is unlikely to favour a high fat diet, which in fact will only induce vomiting. Carbohydrates can be given in so many forms that they are most valuable. An essential part of the treatment of fever is a high fluid intake, and if that is given in the form of fruit drinks, sugar and honey may be added and the carbohydrate intake thereby increased. During the first few days of a fever the diet can well be restricted to fluids and carbohydrates.

A number of concentrated extracts of meat are on the market, and the layman, judging by the physical strength of the animal from which they are prepared, may be inclined to believe that they have a high food value. Other extracts consist of jellies made from chicken and veal, and again one may think that they are valuable foods for invalids requiring a light diet. In fact, those extracts and jellies have a low calorific value and their value lies in the psychological effect that they may have on the patient's morale. That is a poor justification for any food. A value such foods do have, and one that is seldom stressed is that they act as aperitifs. It may be argued with reason by patient and medical adviser alike that that purpose would be better served by a glass of sherry, but one must not unduly decry the value of those extracts. They do make a pleasant and acceptable beverage, and for that reason alone their use may be freely encouraged.

Many people tend to regard diet as too much of a

science and that may lead them to think too little of pleasing the patient. It must not be forgotten that good food is one of the legitimate pleasures of life—something upon which are judged the standard of living. When prescribing a diet one must not do so solely in terms of calories. It is easily possible to produce a diet adequate in the number of calories but quite inadequate in effect, because it is so repugnant that the patient refuses to take it. The likes and dislikes of the patient must therefore be considered, and the food must always be acceptably presented. For instance, when giving a patient a boiled fish diet with boiled potatoes, the fish should not be served on a white plate on a white cloth with no decoration. Such a presentation is most unappetising. For preference use a decorated plate and place a sprig or two of parsley on the potatoes and the fish. See that the cutlery is gleaming and that the cruet looks bright. The trimmings may add nothing to the calorific value of the food in theory, but in practice they do ensure that a greater proportion of the food is eaten. The patient should be fed at regular intervals and unused food taken from the room. Nor should food left over from one meal be presented again at the next. Mealtimes should always be made something to which the patient can look forward in his otherwise rather unpleasant predicament.

The next article will deal with whooping cough, a condition interesting from the therapeutic point of view and because it is one in which feeding is of paramount importance.

NEW BOOKS

An Advertising Quiz on the Merchandise Marks Act

Advertising Association, 1 Bell Yard, Fleet Street, London, W.C.2. 8½ x 5½ in. Pp. 28. 2s. 6d.

PREPARED by a barrister, with the assistance of an advertising agent and an advertising manager, the booklet provides answers to thirty-four problems confronting all whose goods affected by the new Act are advertised to the public. An index enables specific problems and their solutions to be turned to at once.

Practical Pharmacognosy

T. E. WALLIS, D.SC.(LOND.), F.P.S., F.R.I.C., F.L.S. *J. & A. Churchill, Ltd.*, 104 Gloucester Place, London, W.1. Sixth edition. 8¾ x 5½ in. Pp. 238. 72 illustrations. 35s.

CHANGES in the latest edition of this standard handbook (complementary to the same author's Textbook of Pharmacognosy) include a simplified schedule for double staining with fast green and safranin and the illustration of a newer type of mercury-vapour lamp for the examination of drugs by ultra-voilet light. The author has added schedules of instruction for the examination of alginates, aloin, lard, wool fat, and viscose rayon to Part I of the book (pp. 5-109) and has supplemented Appendix II with a table of refractive indices of the mountants used. In Part IV (quantitative analysis) a schedule is included for determining the number of sclereids per mgm. of olive stones, and total length replaces area of phloem fibre as criterion in examination of cinnamon and cassia barks.

A Practical Manual of Medical and Biological Staining Techniques

EDWARD GURR, F.R.I.C., F.R.M.S., F.L.S, *Leonard Hill, Ltd.*, 9 Eden Street, London, N.W.1. 8½ x 5½ in. Pp. 320. 25s. (postage 1s.).

INCORPORATING the author's own booklets *Microscopic Staining Techniques*, Nos. 1, 2 and 3, with additions, the book is well described as a 'practical manual." For underlying theory the reader is referred to a number of works listed in the preface. In the Manual he finds detailed workroom instructions for fixing biological material preparatory to staining, followed by formulas of the staining solutions required and the successive steps to be taken in using them to differentiate normal and pathological animal and normal and infected botanical specimens. There are also short sections on cytological methods and fluorescence microscopy; a 46-page section on smear preparations; and an appendix containing conversion tables, refractive indices, solubilities, formulas for fixatives, stains, etc.

A Textbook of Forensic Pharmacy

THOMAS DEWAR, PH.D., B.PHARM., B.SC., F.P.S. *Edward Arnold (Publishers), Ltd.*, London. 8½ x 5½ in. Pp. 287. Third edition. 18s.

TWENTY-EIGHT Acts, Orders and sets of Regulations published since the previous edition of this work might be assumed to account for the much more substantial volume the third edition is to handle than was the original. Closer examination shows that individual chapters are hardly changed in size, whatever their change in content. The actual difference in total number of pages is thirty-four. Thicker, better paper must account for the rest. As the book remains the only textbook covering the whole field of forensic pharmacy, it presumably serves as mentor to a majority of pharmaceutical students in all colleges. Any shortcomings on that score would doubtless have been shown up by the examination results. To make the work a useful reference book for practising pharmacists, a much simpler, more detailed and straightforward index could be urged. At present it shows, like the book itself, the approach of the lawyer rather than of the pharmacist.

THE MEDICAL STUDENT

One of seven "medical phisogs" from the "Gallery of Comicalities" (see *C. & D.*, 1953, II. 188).

Thou future hero of the knife!
Destin'd, no doubt, to shine in story,
We greet thy phiz in 'London's Life,'
With a stiff glass of grog before ye.
Your talent who shall dare impugn
And doubtless your extensive knowledge
Will qualify you very soon,
To pass the ordeal of the College.

AMERICAN APPROVED REMEDIES

TABLETS TOLANSIN.—Brand of mephenesin tablets (0·25- and 0·5-gm.) supplied by Physicians' Drug & Supply Co., Philadelphia.

OINTMENT CORTEF ACETATE. — An ointment containing 10 or 25 mgm. hydrocortisone acetate per gm. supplied in 5-gm. tube by Upjohn Co., Kalamazoo, Michigan.

TABLETS ESTRIFOL.—Proprietary tablets each containing 1·25 mgm. of conjugated œstrogenic substances issued by Premo Pharmaceutical Laboratories, Inc., South Hackensack, New Jersey.

TABLETS SULFALOID.—Proprietary 0·25- and 0·5-gm. tablets each containing equal parts of sulphadiazine, sulphamerazine and sulphamethazine made by Lloyd & Dabney Co., Inc., Cincinnati.

ESOMID CHLORIDE. — Proprietary brand of hexamethonium chloride supplied by Ciba Pharmaceutical Products, Inc., Summit, New Jersey, as a syrup containing 62·5 mgm. per c.c. (473 c.c. bottles), and as 0·25 gm. tablets.

LIQUID SOAP SURGI-CEN. — A proprietary liquid soap containing 1 per cent. hexachlorophene issued by Central Chemical Co., Inc., Kansas City, Missouri, in 3·78, 18·9, 56·7, 113·4, 132·4 and 208·1 litre containers.

SOLUTION NEO-SYNEPHRINE HYDROCHLORIDE.—A solution containing 2·5 mgm. phenylephrine hydrochloride per c.c. preserved with phenyl mercuric acetate, 1 in 50,000. Supplied in plastic spray bottles by Winthrop-Stearns, Inc., New York.

SOLUTION WYDASE.—A solution containing 150 turbidity reducing units of hyaluronidase per c.c. preserved with 0·01 per cent. thimerosal, stabilised with 0·1 per cent. disodium ethylenediamine tetraacetic acid and buffered with 0·14 per cent. sodium phosphate. Supplied by Wyeth Laboratories, Inc., Philadelphia, in 1- and 10-c.c. vials.

DEXTRAN. — The following companies supply 6 per cent. dextran solution (under proprietary names) in 250- and 500-c.c. bottles, the large size being available with or without disposable syringe: Baxter Laboratories, Inc., Morton Grove, Illinois (Gentran); and Commercial Solvents Corporation, New York (Expandex). Wyeth Laboratories, Inc., Philadelphia, supply the 500-c.c. size (Plavolex).

NITROFURANTOIN. — N-(5-Nitro-2-furfurylidene)-1-aminohydantoin. Exhibits a wide spectrum of antibacterial activity against gram-positive and gram-negative organisms. Useful by oral administration for treatment of bacterial infections of the urinary tract. Indicated in pyelonephritis, pyelitis and cystitis. After administration about 40 per cent. is excreted unchanged in the urine. Has low toxicity but occasionally produces nausea and emesis. Average daily dose 5-8 mgm. per kilo of body weight. Eaton Laboratories, Inc., Norwich, New York, supply tablets Furadantin containing 50 and 100 mgm. of nitrofurantoin.

NEOMYCIN SULPHATE.—An antibiotic isolated from the elaboration products of *Streptomyces fradiæ*. Thermostable, soluble in water, insoluble in organic solvents. Active in alkaline solution. Not inactivated by exudates, enzymes, gastro-intestinal secretions, or by-products of digestion or bacterial growth. Sulphate is stable in the dry state for at least two years at room temperature. Active against many gram-positive and gram-negative bacteria. Has a wider antibacterial spectrum than penicillin, bacitracin or streptomycin. Useful for topical applications (in a concentration of 1 in 200) in local treatment or prevention of skin or eye infections, and, by oral administration as an intestinal antiseptic (1 gm. every four hours). Eli Lilly & Co., Indianapolis, supply ointment (14·2-, 28·35- and 113·4-gm. tubes) and eye ointment (3·54-gm. tube) containing 5 mgm. neomycin sulphate per gm. The Upjohn Co., Kalamazoo, Michigan, supply neomycin sulphate powder in 0·5-gm. vial and as 0·5-gm. tablets under the name Mycifradin sulphate.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable.

BLACKLEG VACCINE A.P.A.

MANUFACTURER: Genatosan, Ltd., Loughborough, Leics.

DESCRIPTION: Veterinary vaccine of adsorbed aluminium phosphate.

INDICATIONS: Immunisation against blackleg.

HOW SUPPLIED: 50-c.c. bottles containing twenty-five doses for sheep or ten for cattle.

FIRST ISSUED: September 1953.

ALOCOL compound tablets

MANUFACTURER: A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.1.

DESCRIPTION: Tablets containing Alocol, gr. 11·58; dry extract of belladonna, B.P., gr. 0·075; papaverine hydrochloride, gr. 0·31; benzocaine, gr. 0·31.

INDICATIONS: Alimentary hyperacidity, gastric and duodenal ulcer, especially when complicated by hypermotility and pain.

DOSAGE: One or two tablets crushed in a little water.

HOW SUPPLIED: In bottle of fifty tablets.

NOTE: Schedule 1 Poison.

ALASIL juvenile tablets

MANUFACTURER: A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.1.

DESCRIPTION: Tablets containing acetylsalicylic acid, gr. 3·4; and Alocol, gr. 3.

INDICATIONS: In pædiatrics: symptomatic relief of headache, dentition, toothache, fevers and pyrexia of unknown origin.

DOSAGE: At three years of age, half a tablet; at six years, one tablet; at ten years, two tablets.

HOW SUPPLIED: In tube of thirty-four tablets and in dispensing packs of 375, 750 and 1,500 tablets.

FIRST ISSUED: November 1953.

PAREDRINEX

MANUFACTURER: Menley & James, Ltd., Coldharbour Lane, London, S.E.5.

DESCRIPTION: Vasoconstrictor for intranasal use containing *p*-hydroxyamphetamine hydrobromide 1 per cent. in an aqueous solution made isotonic with sodium chloride.

INDICATIONS: Head colds, nasal catarrh and congestion, paranasal sinusitis, vasomotor rhinitis, hay-fever, and for reducing congestion before the administration of gaseous anæsthetics.

DOSAGE: Used as drops or as a spray two or three times in each nostril four or five times daily. Should not come into contact with metal.

HOW SUPPLIED: In 8-fl. oz. dispensing bottles and ½-fl. oz. Spraypaks.

FIRST ISSUED: November 1953.

REFERENCES: Sulman, *Arch. Otolaryng.*, Chicago, 1943. **37.** 713; Nathanson, *Ann. intern. Med.*, 1939. **12.** 1855.

SUXAMETHONIUM CHLORIDE (DUNCAN)

MANUFACTURER: Duncan, Flockhart & Co., Ltd., 104 Holyrood Road, Edinburgh, 8, and 155 Farringdon Road, London, E.C.1.

DESCRIPTION: Bis-2-dimethylaminoethyl succinate bismethochloride, or succinylcholine chloride.

INDICATIONS: Brief procedures when profound muscular relaxation is required. Main uses: Intubation, short operations, manipulations and electroconvulsive therapy.

DOSAGE: Suggested maximum 1 mil (50 mgm.) per 100 lb. body weight; lower dosage is often effective, e.g. 1 mil for an adult.

HOW SUPPLIED: In boxes of six and fifty 2-mil Hypules (No. 117), each containing 100 mgm., and in 10-mil rubber-capped vial of a solution containing 50 mgm. per mil.

FIRST ISSUED: November 1953.

REFERENCES: Tewfik, *Lancet*, 1953. **2.** 110; Somers, *Brit. J. Pha macol.*, 1953. **8.** 19.

CAFERGOT

MANUFACTURER: Sandoz Products, Ltd., 134 Wigmore Street, London, W.1.

DESCRIPTION AND FORMULA: Tablets each containing ergotamine tartrate, B.P. (Femergin), 1 mgm., and caffeine 100 mgm.

INDICATIONS: Migraine.

DOSAGE: Two tablets should be taken as early in the attack as possible. A third and fourth tablet may be taken at half-hourly intervals if necessary.

HOW SUPPLIED: In bottles of twenty, 100 and 500 tablets.

FIRST ISSUED: October 1953.

REFERENCES: Cohen and Criep, *New England J. Med.* 1949. **241.** 896; Ryan, *J. Mo. med. Ass.*, 1951. **48.** 963; Whitelaw, *Arizona Med.*, 1949. **6.** 15.

METHIUM CHLORIDE

MANUFACTURER: Chilcott Laboratories, Ltd., Power Road, London, W.4.

DESCRIPTION: Ganglionic blocking agent.

FORMULA: 125- and 250-mgm. tablets of hexamethonium chloride.

INDICATIONS: Reduction of blood pressure and relief of symptoms of hypertension.

DOSAGE: Varies from patient to patient. Maximum dose should not exceed 3 gm. daily. In moderate to severe essential hypertension or malignant hypertension, 125 mgm. four times daily.

HOW SUPPLIED: In bottles of fifty and 500-, 125- and 250-mgm. tablets.

FIRST ISSUED: January 1954.

NOTE: Schedule 4 Poison.

REFERENCES: Harington, *Med. Clin. Sci.*, 1953. **12.** 185; Moyer, *Amer. J. med. Sci.*, 1953. **225.** 379; Kuhn, *Angiology*, 1953. **4.** 195.

ERYTHROMYCIN

BRAND NAME: **ILOTYCIN**

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: An oral antibiotic.

INDICATIONS: Effective against all gram-positive and some gram-negative organisms and some rickettsiæ and large viruses. Effective against penicillin-resistant cocci.

DOSAGE: 300 mgm. every six hours. In severe infections 2 gm. daily can be given without fear of toxic effects.

HOW SUPPLIED: In bottle of twenty-four 100-mgm. tablets with special acid-resistant coating.

FIRST ISSUED: Generally available since February 1.

Cross reference for card index:

ILOTYCIN see erythromycin.

DIPHTHERIA-TETANUS-PERTUSSIS PROPHYLACTIC (D.T.P.P.) Wellcome brand

MANUFACTURER: The Wellcome Research Laboratories, Beckenham, Kent (supplied by Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1).

FORMULA: Each mil contains 25 Lf. purified diphtheria toxoid, 5 Lf. purified tetanus toxoid and 20,000 million *Hæmophilus pertussis.*

INDICATIONS: Active immunisation against diphtheria, tetanus and whooping cough.

DOSAGE: Subcutaneously or intramuscularly, three 1-mil injections at intervals of four to six weeks, immunisation being started at age three to four months; followed by one reinforcing 1-mil dose.

HOW SUPPLIED: In box of three 1-mil ampoules and in rubber-capped 10-mil bottle.

FIRST ISSUED: November 1953.

NOTES: Infants suffering from asthma or allergic dermatitis, or with a family history of allergic disorders, may experience reactions; they should be given a trial dose of 0·1 mil, followed by the 1-mil dose if no symptoms develop after some hours.

N.B.—If the entries given on p. 94 of the C. & D., January 23, have been pasted on index cards the name Burroughs Wellcome & Co. should be deleted from the reference to diphtheria-tetanus-pertussis prophylactic, Glaxo.

MISCELLANEOUS INQUIRIES

Seltzogene Charges

What are the quantities of ingredients of charges for the various sizes of seltzogenes?

THE ingredients and their quantities are as follows:—

	2-pint	3-pint	5-pint	8-pint
	gr.	gr.	gr.	gr.
Tartaric acid	280	340	520	640
OR citric acid	260	270	495	610
Sodium bicarbonate	340	420	640	820

Ballroom Polish

What dust-free preparation may be used to polish a ballroom floor?

SUCH a polish may be made to the following formula:—

Hard paraffin ... ... 2 oz.
Talc ... ... 14 oz.

Melt the paraffin and incorporate the talc, stirring thoroughly. When cool, reduce the product to a granular powder by means of a grater.

Frost Bite Pencil

Can you give a suitable formula for a waxy application for the feet to be used before ski-ing?

THE following formula should be suitable for your purpose:—

Camphor ... ... 20 gr.
Iodine ... ... 20 gr.

Rub up to a fine powder with sufficient spirit and add:—

Olive oil ... ... 3½ dr.

Mix, then melt with heat:—

Olive oil ... ... 3½ dr.
Hard paraffin ... ... 3½ dr.

Mix with the rest and pour into moulds.

Water-proofing Tweeds

Can you suggest a formula for a medium for water-proofing tweeds?

THE cloth may be sprayed with a weak solution of hard paraffin in benzine or immersed in a weak solution of aluminium formate or in a weak solution of indiarubber in benzene and allowed to dry.

"Blueing" Steel

How is the blue-black effect produced on steel?

A BLUE-BLACK effect on steel may be obtained by either of the following methods. Clean and polish the steel, then heat in wood ashes to a temperature of from 500° to 600° F. The following are two ways of carrying out the blueing by the chemical method: (1) Apply solution of antimonious chloride to the hot metal and rub the surface afterwards with a piece of green oak; (2) Immerse in the following solution:—

Lead acetate ... ... 50 gr.
Sodium thiosulphate ... ... 50 gr.
Water ... ... 5 oz.

The solution is used hot, the article to be coloured being completely immersed. A variety of colours are obtained, and so soon as the page blue stage is reached the steel is taken out of the liquid and washed.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, FEBRUARY 3: Scarcity of many CRUDE DRUGS on the spot and at origin continued to give buoyancy to prices during the week. The firmness displayed might have been even more pronounced but for the general lack of buying interest.

African GINGER for shipment was dearer by 2s. 6d. per cwt. while green Aleppy CARDAMOMS continued to advance in the face of Scandinavian buying. Offers of Indian HENNA (green leaves) were unobtainable from origin, and spot supplies were 10s. per cwt. dearer. Dutch CARAWAY SEEDS were offered at 125s. per cwt., duty paid, against 104s. in the previous week. Business has been done recently in new-crop BUCHU at 1s. 9d. per lb., c.i.f., for February-March shipment but origin appear to have sold all their supplies and no more offers are expected before May. Sumatra block BENZOIN is now in freer supply with good qualities at from £32 to £35 per cwt. Offers of Jamaican SARSAPARILLA from origin are scarce whilst the time required for the shipment of QUASSIA appears to grow longer.

In PHARMACEUTICAL CHEMICALS, NICOTINAMIDE was reduced by 5s. per kilo. A reduction of £7 per ton throughout the schedule for ACETONE has been announced by one manufacturer. The new delivery price is £101 per ton for one-barrel lots, and £136 per ton for 5-gall. lots.

Movement in the values of ESSENTIAL OILS during the week were mostly upwards. LEMONGRASS advanced by sixpence-halfpenny per lb.; ANISE by threepence. Brazilian PEPPERMINT by sixpence and Bourbon GERANIUM by 2s. 6d. LEMON and ORANGE were inclined to be easier.

UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK: FEBRUARY 2: Offerings of French ALCOHOL in tanker lots have attracted some buying interest at 17½ cents per gall., c.i.f., New York. Lower cost imports brought a reduction in CAFFEINE ALKALOID, making the HYDROUS $2·65 per lb. and the ANHYDROUS $2·85, each down 15 cents.

The current prices of a number of other PHARMACEUTICAL CHEMICALS are given below:—

	Cents per lb.
Acetone	10.25-10.50
Camphor, synthetic	57.00
Glycerin, pure	33·80
Guaiacum resin	34.00-36.62
Hexamine	23.25
Magnesia, calcined	32.00-32.75
DDT	27.00
Sodium bromide	34.00-35.00
	Dollars per lb.
Iodine, resublimed	2.55
Menthol, synthetic	5.10 nominal
Sulphanilamide	1.30-1.50
Theobromine	3.00
	Dollars per oz.
Emetine hydrochloride	32.95-35.00
Atropine	8.00-8.50
Nicotinamide	12.00-12.30 per kilo
Streptomycin	17 cents per gm.
Penicillin procaine in bulk, per million units.	8.5 to 9 cents.

The volume of trading activity in BOTANICAL DRUGS was generally below average levels for this time of year but seemed to be gathering momentum. Higher per lb. are AGAR, Kobé No. 1, at $2·85 (up 20 cents); GUM ACACIA, amber sorts, at 15½ cents (½ cent); PERU BALSAM, $1·40 (5 cents); and Bourbon VANILLA BEANS at $7·50 (25 cents). ERGOT is reported to be showing some easing. Japanese MENTHOL advanced 25 cents per lb. to $9·00. Higher per lb. among ESSENTIAL OILS are CARAWAY at $2·65 (up 15 cents), FENNEL, $2·50 (20 cents); CARDAMOM, $33·00 ($1); LEMONGRASS, $1·45 (10 cents); PETITGRAIN, $2·70 (10 cents); and CHENOPODIUM at $4·60 (20 cents). Lower are CADE at 28 cents (2 cents); and CLOVE at $4·90 (10 cents).

Pharmaceutical Chemicals

AMPHETAMINE.—Prices (per kilo) for 25-kilo lots are as follows:—BASE, 160s.; SULPHATE, 130s.; *d*-Amphetamine, 550s.

ASCORBIC ACID. — The following are the current prices (per kilo) for British material:— 1 kilo, £9 0s. 6d.; 10 kilo, £8 14s.; 100 kilo, £8 8s.

ASPIRIN.—Prices are as follows:—5-cwt. lots, 4s. 6d. per lb.; 1-cwt., 4s. 6½d.; 28-lb., and under 1-cwt., 5s. 4d.

BARBITONE.—Rates per lb. for 1-cwt. lots are 25s. 6d. The SODIUM derivative is 6d. per lb. more than the base.

BENTONITE.—Offers of B.P. material are about £70 per ton as to quantity.

BORAX.—Prices for B.P. grade, for quantities of 1-ton and upwards are as follows:—Granular, £47 10s.; crystals, £50; powder, £51; extra-fine powder, £52 per ton. Prices of commercial range from £37 10s. to £43 per ton, as to type, and dehydrated borax is £58 10s. per ton in 140-lb. paper-lined hessian bags or £57 10s. in 1-cwt. paper bags; carriage paid in Great Britain. Surcharges for smaller quantities.

CALCIUM PANTOTHENATE.—Price per kilo is £32 10s.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CARMINE. — 1-cwt. lots are about 82s. 6d. per lb.

CHALK.—In minimum 1-ton lots powder is £21 and cones, £22 10s. per ton.

CHLOROCRESOL.—Pharmaceutical quality is quoted at 6s. per lb., in 1-cwt. drums.

CHLOROFORM.—1-cwt. lots in winchesters are now 3s. 6d. per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d.

CHLOROXYLENOL.—B.P. quality is quoted at 6s. 9d. per lb. for 1-cwt. lots.

CINCHOPHEN.—1-cwt. lots are quoted at 1s. per lb.

CITRIC ACID.—British makers quote 205s. per cwt. for 1-4-cwt. lots and 200s. per cwt. for 5-cwt.

HEXOBARBITONE. — B.P. in 1-cwt. lots is 70s. per lb.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 4d. to 1s. 11d. per lb., as to quantity; Scheeles is from 1s. 8d. to 2s. 3d.

HYOSCINE HYDROBROMIDE.—1-oz. lots are 95s. for British material.

ISOPRENALINE SULPHATE. — B.P.C. is 2s. 4d. per gm. for 100-gm. lots.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks is £137 per ton, delivered in the United Kingdom.

LEAD ACETATE.—B.P. crystals are 180s. per cwt., and technical, 160s.

MAGNESIUM CARBONATE.—Minimum bulk rate for LIGHT is 121s. per cwt.; HEAVY is 150s. per cwt. for 5-cwt. lots and 125s. per cwt. for 1-ton lots.

MANDELIC ACID. — 1-cwt. lots in 28-lb. containers are 10s. 9d. per lb. The CALCIUM SALT is also 10s. 9d. while SODIUM is 11s. 3d. per lb. for 1-cwt. lots.

MENAPHTHONE. — B.P. is £16 per kilo; ACETOMENAPHTHONE, B.P. £16; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £19 10s. per kilo.

METHYLPHENOBARBITONE.—B.P. is 63s. per lb. (1-cwt. lots).

METHYL SALICYLATE. — In 5-cwt. lots price is 3s. 1½d. per lb.; 1-cwt., 3s. 2d.; 56-lb., 3s. 2½d.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.; 28-lb., 25s. 6d.; 14-lb. 27s.; 7-lb., 28s.

NICOTINAMIDE.—Lower. Prices per kilo are: 1-kilo, 118s.; 50-kilos, 110s.

PANCREATIN. — 1-cwt. lots, B.P., is now at 8s. 6d. per lb. and U.S.P. at 10s. 6d. per lb.

PHENYTOIN SODIUM. — Quotations for 1-cwt. lots are 27s. 6d. per lb.

PHOSPHORIC ACID.—B.P. is 1s. 5½d. per lb. in 1-2-carboy lots. HYPOPHOSPHORUS, B.P.C., in winchesters, is from 5s. 9d. to 6s. 10½d. per lb. as to quantity.

PHYSOSTIGMINE.—Rates per oz. for 25-oz. lots are as follows: ALKALOID, 157s. 6d.; SALICYLATE, B.P., 118s. SULPHATE, B.P.C., 137s. 3d.

PILOCARPINE. — In 100-oz. (2½-kilo) lots prices are: HYDROCHLORIDE, 42s. 6d. per oz. (1,428s. 6d. per kilo); NITRATE, 38s. per oz. (1,340s. per kilo).

PIPERAZINE. — Quotations for HYDRATE are from 37s. 6d. per lb.

POTASSIUM BICARBONATE.—B.P. powder is 130s. per cwt.

POTASSIUM BROMATE.—In 5-cwt. lots 7s. per lb. In small quantities the prices range up to 8s. 9d. per lb.

POTASSIUM CHLORIDE.—In 1-cwt. lots B.P., is 1s. 6d. per lb.

POTASSIUM HYDROXIDE. — B.P. sticks are from 6s. 6d. per lb.

POTASSIUM NITRATE. — Pharmacopœial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

POTASSIUM PERMANGANATE. — Rates for B.P. material for 1-cwt. lots is 1s. 8½d. per lb., and for technical, 181s. 6d. per cwt.

PROCAINE HYDROCHLORIDE. — 1-cwt. lots are 30s. per lb.

SALOL.—Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SANTONIN. — The following prices apply in the home market, including Eire:— 5-kilo lots, £63 per kilo; 2-4-kilo lots, £64 10s.; 1-kilo, £66; 500 gm., £67 10s.; 250 gm., £69; smaller quantities, £72.

THEOPHYLLINE.—ALKALOID is about 18s. per lb. and AMINOPHYLLINE, 19s. per lb. for 1-cwt. lots.

Crude Drugs

ACONITE. — Spanish napellus is 3s. 2d. per lb., duty paid, ex wharf.

AGAR.—Kobé No. 1 on the spot is from 15s. 3d. to 15s. 6d. per lb. as to quality, Korean, 14s. 3d. Forward, 13s. 9d. c.i.f., quoted for shipment of new crop Kobé.

ALOES.—Prime Cape is now 170s. per cwt. in crates on the spot. Shipment, no offers from origin. Curaçao is 330s. on the spot and 305s., c.i.f., for shipment.

ANISEED. — Chinese star is offered for shipment at 190s. per cwt., c.i.f.

ANTIMONY. — English, 99.6 per cent., £222 10s.; 99 per cent. £210 per ton.

ARECA NUTS. — Quotations are firm at 50s. per cwt. for Ceylon material on the spot.

ASAFŒTIDA.—Persian block is £12 per cwt., duty paid.

BALSAMS.—Quotations (per lb.) are:—*Canada:* 21s. 6d., spot. *Copaiba,* soluble Para, 12s. 6d.; insoluble, 8s. 6d., spot. *Peru,* 8s. 9d. in bond. *Tolu* (genuine as imported), 22s. 6d., spot, and 21s. 6d., c.i.f.

BELLADONNA.—A parcel of Jugo-Slavian ROOT testing 0.44 per cent. is offered at 1s. 9d. per lb. on the spot, duty paid; LEAVES are from 2s. 6d. per lb., as to test.

BENZOIN.—Sumatra block No. 1 on the spot is from £32 to £35 per cwt.

CARDAMOMS.—Firm. Aleppy greens, 16s. 3d. spot; shipment offers are 15s. 9d., per lb., c.i.f.

CASCARA SAGRADA. — Firm. Offers for shipment are now 275s. per cwt., c.i.f. Spot supplies are 315s., duty paid.

CASSIA BARK. — Whole on the spot is about 92s. 6d. per cwt., in bond, and for forward delivery, 82s. 6d., c.i.f. Broken 67s. 6d., in bond, and 62s. 6d., c.i.f.

CHERRY BARK.—Scarce. Thin natural is from 1s. 10d. per lb., duty paid, and rossed, 2s. 3d., on the spot.

CHILLIES.—Mombasa are 295s. per cwt. on the spot, and 275s., c.i.f. Zanzibar are 280s., c.i.f.; No spot available. Sierra Leone not offering.

CINCHONA. — Parcels of British East African chips and broken quills are offered from 1s. 9d. and 1s. 11d. per lb. respectively, as to test.

CINNAMON. — Ceylon for shipment OOOO, 3s. 5d. per lb., c.i.f.

CLOVES.—Quiet. Zanzibar on the spot are 4s. 9d. per lb.; prompt shipment, 4s. 3d., c.i.f.

COCHINEAL. — Black brilliant is 9s. 9d. per lb.; and silver-grey, 8s. 3d.

COLCHICUM.—Corms on spot are offering at 2s. 3d. per lb., and seeds, 6s.

COLOCYNTH.—Good quality pulp on the spot has been cleared. Offers scarce at origin.

ELEMI.—Offers are from 1s. 9d. per lb. on the spot.

GINGER.—Firm. African on the spot is from 100s. to 105s. per cwt., as to quality, and for shipment buyers at 97s. 6d., c.i.f. Jamaican No. 3 is also firmer at 125s. on the spot and 120s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot are quoted at 110s. per cwt. February shipment is 99s., c.i.f., and March-April, 98s., c.i.f.

HENNA.—Firm. Indian green leaves are about 100s. per cwt. on the spot; shipment not offering. Sudanese are 100s., spot, nominal.

HYDRASTIS.—Root is 18s. per lb., on the spot.

IPECACUANHA.—Nicaraguan for shipment is 47s. 6d. per lb., c.i.f.; Colombian, 44s., c.i.f. Spot: Matto Grosso, 46s.; Colombian, 49s.; Nicaraguan, 54s. nominal.

KARAYA. — No. 1 gum on the spot is quoted at 200s. per cwt.; No. 2 is 140s.

KOLA NUTS.—African halves are available on the spot at from 4¾d. to 5½d. per lb., as to quality.

LIQUORICE.—Natural whole root, spot: Anatolian, 60s. per cwt.; Russian, 40s.; Syrian, 37s. 6d. Block juice quotations are 195s. per cwt., delivered. Turkish stick is 240s. and Italian stick, 475s. per cwt., both duty paid.

LOBELIA.—Herb is scarce on the spot Nominal value 3s. 6d. per lb.

MERCURY.—Steady. Nominal spot value is from £62 10s. to £64 10s. per flask (76 lb.), ex warehouse.

MACE. — West Indian pale blade is 7s. 9d. per lb., for shipment, 6s. 11½d. c.i.f.

PAPAIN.—Spot values for East African grade one are 24s. per lb., and grade two, 21s. Ceylon white for shipment is about 24s., c.i.f.

PEPPER.—White Sarawak is now quoted at 6s. 11d. per lb., with afloat parcels from 6s. 7d. to 6s. 8d., c.i.f. Black Sarawak is 6s. 2d. per lb., spot and afloat, 5s. 11d., c.i.f. Black Malabar 760s. per cwt. spot and 720s., c.i.f. for afloat.

QUASSIA.—March-April shipment offers are 31s. per cwt., c.i.f.

SARSAPARILLA. — Jamaican native red is 2s. 9d. per lb. on the spot. Forward offered sparingly at 2s. 6d., c.i.f.

SEEDS.—Prices per cwt. are: ANISE.—Cyprian, 170s., spot London. CARAWAY.—Dutch now quoted at 125s., duty paid. CELERY.—Indian, 210s. CORIANDER.—Moroccan, 60s., duty paid (55s., in bond); English, 75s. Moroccan is now quoted at 49s., c.i.f., for shipment. CUMIN.—Cyprian, 130s.; Maltese, 127s. 6d.; Moroccan, 127s. 6d., duty paid. Shipment: Cyprian, 108s.; Moroccan, advanced to 104s., c.i.f. DILL.—Indian is firm with small business passing at 90s., spot London. FENNEL.—Indian, 125s. FENUGREEK.—Moroccan, 49s., duty paid. MUSTARD.—English, 65s. to 82s. 6d. according to quality.

SENEGA.—Quiet. Shipment quotations are 16s. per lb., c.i.f. Spot material is offered at about 15s. 3d. to 16s. as to holder.

SHELLAC.—Weak. Spot quotations are:—F.O.T.N. pure 235s.; F.O. standard No. 1, 225s.; fine orange, 275s. to 320s. per cwt., ex-London warehouse.

STROPHANTHUS.—*Kombé,* 100 per cent. is about 10s. per lb., on the spot, and *Gratus,* 17s. 6d.

STYRAX.—Spot is 5s. 9d. per lb., duty paid.

TAMARINDS.—Quiet. Madras for shipment (1 per cent. stones), 67s. 6d., c.i.f.; (5 per cent.), 65s., c.i.f.

TURMERIC.—Firm. Rajapore is 125s. per cwt., and Madras finger, 130s. on the spot. New crop for March-April shipment is firmer at 97s. 6d., c.i.f.

TRAGACANTH.—No. 1 ribbon on the spot is £105 per cwt.; No. 2, £85; No. 3, £65.

UVA URSI.—Spot offers are about 85s. per cwt.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WAXES.—BEES'.—Dar-es-Salaam. Spot. 450s. per cwt., nominal; February-March shipment, 450s., c.i.f.; Sudanese, 440s. nominal, duty paid and 390s., c.i.f.; Benguella, no spot, shipment 390s., c.i.f.; Abyssinian, 440s., duty paid and 395s., c.i.f. CANDELILLA.—Spot is unchanged at 635s. per cwt. CARNAUBA.—Prime yellow on the spot is 1,050s. per cwt.; shipment 990s., c.i.f.; fatty grey is 710s. on the spot; shipment, 690s., c.i.f.

WITCH HAZEL.—Leaves on the spot are about 1s. 9d. per lb.

Essential and Expressed Oils

ALMOND.—B.P. is from 6s. to 7s. 6d. per lb., as to quantity.

ANISE.—Firm. Spot supplies are 9s. 3d. per lb., with shipment offers around 9s. 3d., c.i.f.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE. — Brazilian on the spot is 32s. 6d. and 30s. 9d., c.i.f.

CANANGA. — Supplies to come forward are quoted at from 60s. per lb., c.i.f. Spot is from 62s. 6d. per lb.

CARDAMOM.—Price per lb. is from 315s. for English-distilled and 230s. for imported.

CASSIA. — Original drums are about 10s. 6d. per lb. for spot and 8s. 9d., c.i.f.

CITRONELLA. — Quiet. Prices (per lb.) are:—Ceylon, spot, 3s. 9½d. per lb.; shipment, 3s. 11d., c.i.f.; Java, 6s. 3d., duty paid; shipment, 5s. 7d., c.i.f.; Formosa, 6s., duty paid, and 5s. 4½d., c.i.f.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 10½d. per lb., and 80 to 85 per cent., 5s. 3d.

GERANIUM.—Bourbon is 82s. 6d. per lb. on the spot. Shipment, 82s. 6d., c.i.f.

LEMON.—B.P. (4 per cent. citral) on the spot is about 40s. per lb.

LEMONGRASS.—Firm. East Indian is now 9s. 4½d. per lb. on the spot and 9s. 4½d., c.i.f., for shipment.

LIME. — Supplies of West Indian distilled are offered from 45s. to 50s. per lb. on the spot.

NUTMEG. — English-distilled oil is from 42s. 6d. to 44s. per lb. Imported oil is offered at 24s. per lb., duty paid for drum lots.

ORANGE.—Spot offers for sweet vary between 8s. and 10s. 6d. per lb. as to quality and quantity.

ORIGANUM.—In original containers the price is 13s. to 14s. per lb.

OTTO OF ROSE.—Anatolian is offered on the spot at 300s. per oz., and Bulgarian, 480s. ex warehouse.

PALMAROSA. — East Indian is from 42s. 6d. per lb., on the spot, and 41s. 3d., c.i.f. for prompt shipment. Formosan, 27s. 6d., spot.

PATCHOULI. — Penang for shipment is 49s. per lb., c.i.f. with spot offers at 57s. 6d., duty paid.

PENNYROYAL. — Quotations are about 12s. per lb., duty paid.

PEPPERMINT. — *Arvensis*: Chinese is about 19s. 6d. per lb., spot, and 18s. 4½d., c.i.f., February-March shipment: Brazilian (45 per cent.), 16s. 6d. spot; forward, 15s. 9d., c.i.f. Italian "Mitcham" type oil is 52s. 6d. per lb. for best quality on the spot.

PETITGRAIN. — Paraguay on the spot is 18s. per lb., and for January shipment is 17s., c.i.f.

PIMENTO. — English-distilled berry is nominal with imported at 55s. Rectified leaf (imported), 25s.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris,* 9s. Siberian (*abietis*), 9s. 6d.

ROSEMARY. — Spanish oil on the spot is about 5s. 9d. per lb., duty paid, for B.P. quality.

RUE.—Spot offers are from 12s. 6d. per lb.

SAGE.—Spanish is offered at from 9s. 6d. per lb. spot.

SANDALWOOD. — Mysore is 70s. per lb. for 7 x 25-lb. tins.

SPEARMINT.—Offers of B.P.C. quality are from 57s. 6d. per lb.

VETIVERT. — Bourbon in original drums on the spot is 92s. 6d. per lb.

TRADE MARKS

From the "Trade Marks Journal," January 13

For soaps (3)
SALLY, 724,960, by J. C. & J. Field, Ltd., Amersham, Bucks.

For pharmaceutical, veterinary and sanitary substances and disinfectants (5)
TETRACETINA, B708,322, by Societa Anonima Farmaceutici Italia, Milan, Italy.

For barbiturate drugs (5)
QUINALMET, 721,701, by British Ethical Proprietaries, Ltd., Taunton, Somerset.

For all goods excluding medicated toilet paper (5)
ADREM, 722,985, by Adrem, Ltd., Toronto, Canada.

For preparations of minerals containing antibiotics for nutritional aids for addition to animal feeding stuffs (5)
MINICILLIN, 723,083, by Minsal, Ltd., Sandbach, Ches.

From the "Trade Marks Journal," January 20

For all goods (5)
BOJ, 721,440, by B. Owen Jones, Ltd., Johannesburg, S. Africa. FLORICIDE, 722,664, by Boots Pure Drug Co., Ltd., Nottingham. PENSEGAN, 723,392, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1. CAPT-O-CILLIN, 723,837, by H. Lundbeck & Co., A/S., Copenhagen, Denmark. ESTOPENIL, 724,350, by Glaxo Laboratories, Ltd., Greenford, Middlesex. DARTHRONOL, 724,486, by Chas. Pfizer & Co., Inc., New York, U.S.A. CALAPHEN, 724,542, by May & Baker, Ltd., Dagenham, Essex.

For disinfectants (5)
GERMASOL, 723,747, by Chapman & Son (Grimsby), Ltd., Grimsby, Yorks.

For sterilising preparations, disinfectants and antiseptics (5)
DEOSOL, 724,541, by Deosan, Ltd., London, N.7.

From the "Trade Marks Jonrnal," January 27

For emulsifying agents being chemical products for use in the manufacture of cosmetics and of pharmaceutical preparations (1)
EMULGADE, 721,011, by Dehydagdeutsche Hydrierwerke G.m.b.H., Dusseldorf, Germany.

For toilet shampoos in cream, powder or liquid form and non-medicated creams for conditioning and colouring the hair (3)
SYRIAL, 722,143, by Osborne, Garrett & Co., Ltd., London, W.1.

For non-medicated toilet preparations (3)
FROU-FROU, 723,386, by Saville Perfumery, Ltd., Watford. FLATTERIE, 724,752, by Les Industries de Luxe, Paris, France.

For creams and pastes for the protection of the hands (3)
DERMAVOID, 724,310, by Lewthwaite Bros., Salford.

For perfumes (3)
BANCO, 724,725, by Maria Hornes, Ltd., 16 Davies Street, London, W.1.

For hair lotions, cosmetic preparations and dentifrices (3)
EASITWEEZI, 725,250, by George Marshall & Co., Leicester.

For cough tablets (5)
UNCLE LUKE'S COUGH TABLETS, 714,473, by Bibby, Warburton & Co., Ltd., Kearsley, Lancs.

For barbiturate drugs (5)
BUTOMET, 721,700, by British Ethical Proprietaries, Ltd., Middle Street, Taunton, Somerset.

For cough syrups (5)
COFFSWOLD SYRUP, 723,896, by Beetham & Clark (Painswick), Ltd., Stroud.

For pharmaceutical preparations (5)
ERMUND, 723,963, by Peter Blunson Richardson, Northampton. DELYSID, 724,117, by Sandoz A.G., Basle, Switzerland. GLUVAN, 724,702, by Evans Medical Supplies, Ltd., Liverpool.

For diabetic biscuits (5)
DIABISKS, 725,023, by Eric Rayner, Wallasey.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, February 8

AGRICULTURE GROUP, SOCIETY OF CHEMICAL INDUSTRY, lecture theatre, Royal Institution, 21 Albemarle Street, London, W.1, at 6 p.m. Dr. E. M. Crowther on "The Production and Use of Fertilisers—Some Current Trends and Problems."

COVENTRY AND WARWICKSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Hare and Squirrel, Cow Lane, Coventry, at 7.30 p.m. Mr. M. B. North, M.P.S., showing "Colour Films of South America."

NOTTINGHAM BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Medico-Chirurgical Hall, 64 St. James's Street, Nottingham, at 7.30 p.m. Mr. R. P. McBride (secretary of the Poisons Board, Home Office) on "Dangerous Drugs."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Mr. S. A. Richardson, M.P.S., on "From Pharmacy to Death Watch Beetles" (illustrated talk).

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Dorset Café, South Shields, at 7.30 p.m. Mr. J. C. Taft on "The British Limbless Ex-Service Men's Association."

Tuesday, February 9

CROYDON, SOUTH-EAST METROPOLITAN and WEST KENT BRANCHES, PHARMACEUTICAL SOCIETY, Green Man Hotel, Bromley Road, Catford, London, S.E.6, at 8 p.m. "Any Questions?"

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, at 7.30 p.m. Dr. A. W. Frankland (Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, Paddington, London) on "Some Aspects of the Treatment of Allergic Complaints." Film "Hay Fever."

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 7.30 p.m. Mr. E. J. D. Warrillow on "The Potteries in Victorian and Edwardian Times."

PHYSICAL METHODS GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, Burlington House, Piccadilly, London, W.1, at 7 p.m. Papers on coulometric analysis.

SCIENTIFIC SECTION, BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Imperial Hotel, Birmingham, at 8 p.m. Dr. H. Davis (chief pharmacist, Ministry of Health) on "Health Service Topics."

SLOUGH CHEMISTS' ASSOCIATION and BRANCH, Olive Branch restaurant, Thames Street, Windsor, at 8 p.m. Magazine night. Editor Mr. H. P. Elliott.

Wednesday, February 10

FOOD and MICROBIOLOGY GROUPS, SOCIETY OF CHEMICAL INDUSTRY, Low Temperature Research Station, Downing Street, Cambridge, at 2.15 p.m. Joint symposium on the preservation of food with ionising radiations.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. A. W. Keith, M.P.S., on "Impressions of Pharmacy in France."

SWANSEA AND WEST GLAMORGAN BRANCH, PHARMACEUTICAL SOCIETY, Mackworth Hotel, High Street, Swansea, at 7.45 p.m. Dr. K. R. Capper (editor, scientific publications department of the Pharmaceutical Society) on "The Revision of the British Pharmaceutical Codex and the National Formulary."

Thursday, February 11

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, Whitehall Rooms, Park Hotel, Cardiff, at 7.30 for 8 p.m. Annual dinner-dance. Ticket 21s., from Mr. E. R. Thomas, 6 Oxford Street, Mountain Ash, Glam.

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, board room, Guildhall, Small Street, Bristol, 1, at 7.15 p.m. Dr. K. R. Capper (editor, scientific publications department of the Pharmaceutical Society) on "Revision of the British Pharmaceutical Codex."

EPSOM AND SUTTON BRANCH, PHARMACEUTICAL SOCIETY, Bull Inn, Leatherhead, at 7.45 p.m. Mr. A. R. G. Chamings (Ciba Laboratories, Ltd.) on "New Drugs and the B.P., 1953."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.45 p.m. Dr. J. G. Dare, F.P.S., on "Pharmacy Through the Schoolroom Window."

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Adelphi Hotel, Liverpool, at 7.30 p.m. Dr. A. Wilson (professor of pharmacology, University of Liverpool) on "The Doctor's Dilemma."

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, St. Mary's Hospital, Whitworth Street, Manchester, at 5.45 p.m. Business meeting.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Cutlers' Hall, Sheffield, at 7.30 p.m. Annual dance. Ticket 7s. 6d. from the secretary, Mr. S. Durham, M.P.S., 42 Fossdale Road, Sheffield, 7.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Mr. E. A. Brocklehurst (vice-president of the Pharmaceutical Society) on "The Business of Pharmacy."

Friday, February 12

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY and BRIGHTON TECHNICAL COLLEGE CHEMICAL SOCIETY, Brighton Technical College, at 6.30 p.m. Dr. M. A. Phillips on "Synthetic Counterparts of Natural Products."

Advance Information

JUNIOR BRANCH, MANCHESTER AND SALFORD BRANCH, PHARMACEUTICAL SOCIETY, are walking via Glossop-Mellor-Marple on February 14.

PRINT AND PUBLICITY

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

PAINES & BYRNE, LTD., Pabyrn Laboratories, Greenford, Middlesex: "Ce-Cobalin Syrup" (4-p. information card).

PARKE, DAVIS & Co., LTD., Staines Road, Hounslow, Middlesex: "Mercardan," "Mercloran" (8-p. booklets).

ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts: Gantrisin (blotter).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Sulphatriad" (4-p. leaflet); "Anthisan and Phenergan Elixirs" (blotter).

Price Lists

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: "Surgical Dressings." December 14, 1953. Pp. 6.

B.G.P. (COSMETICS), LTD., 37 Chesham Place, London, S.W.1: Jacques Fath perfumes. Descriptive booklet and price list. Pp. 12.

BAYER PRODUCTS, LTD., Africa House, Kingsway, London, W.C.2: Price list, 1954. Copies being sent to all retail and hospital pharmacists; additional copies available on request to the company.

PRICE CHANGES

R=Reduced; I.R.P.=Inclusive Retail Price.

WILLIAM FREEMAN & CO., LTD.

	I.R.P.
Suba Seal luxury bathing cap	3 6 *R*

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BIOREX LABORATORIES, LTD.

Biotone tonic elixir*	Doz.	
8 fl. oz.	30 0	3 11½
	Each	
Tax-free disp. pk. 80 fl. oz.	18 0	

COMBINED OPTICAL INDUSTRIES, LTD.

Handimag lightweight magnifier	6 6

GENATOSAN, LTD.

Isoprenaline sulphate tablets.	
10-mgm., 100	4 7
250	10 6

W. W. HAFFENDEN, LTD.

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BRAND OF DIBENZYLETHYLENEDIAMINE DIPENICILLIN G

ORAL SUSPENSION

"... a thoroughly reliable penicillin compound ... which can be given orally ..."[1]

- stable for twenty-four months — no refrigeration needed.
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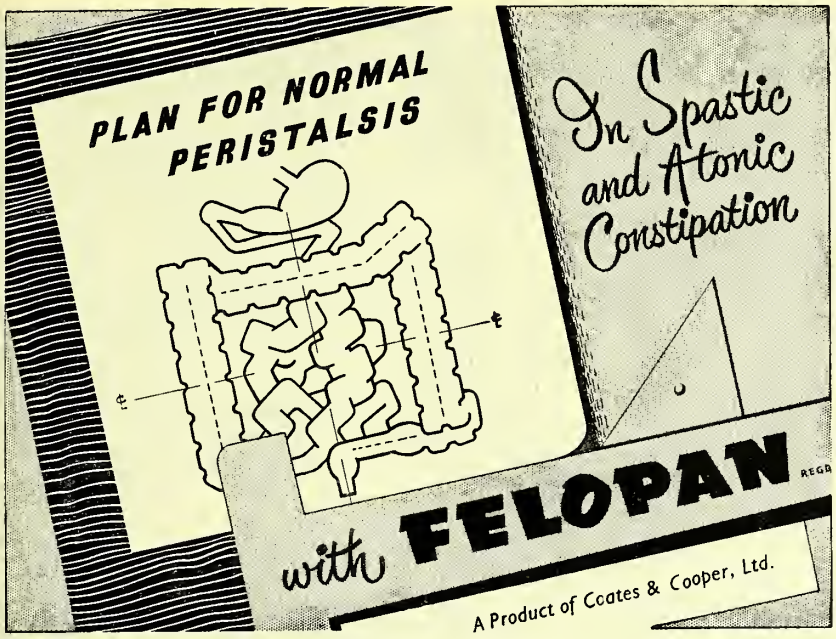

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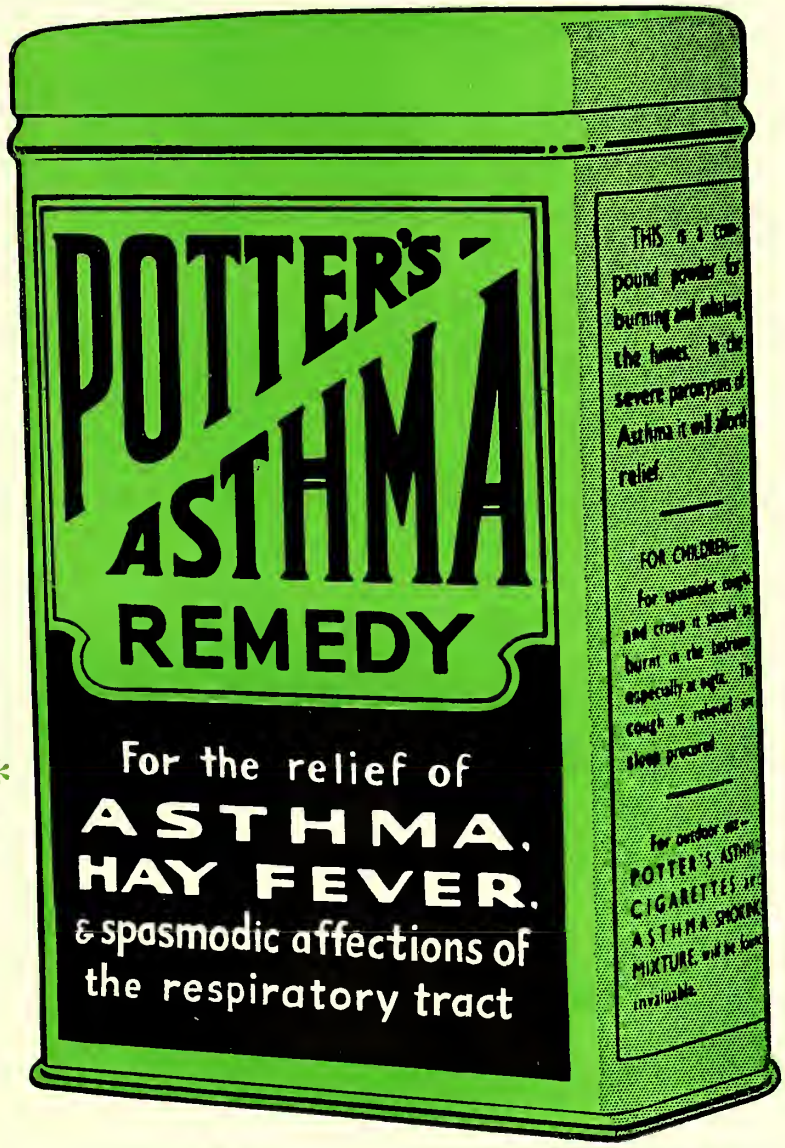

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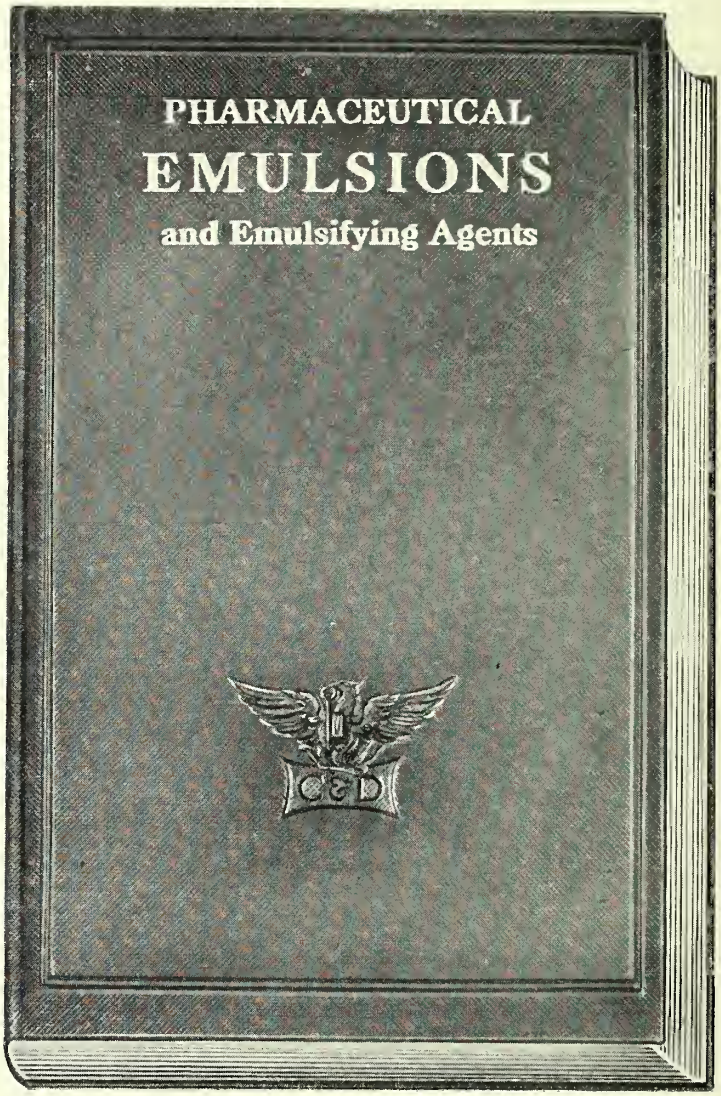

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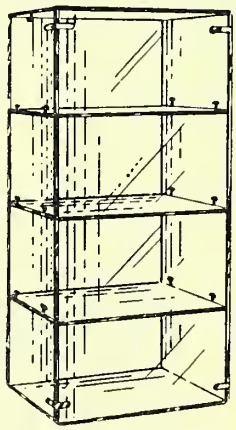

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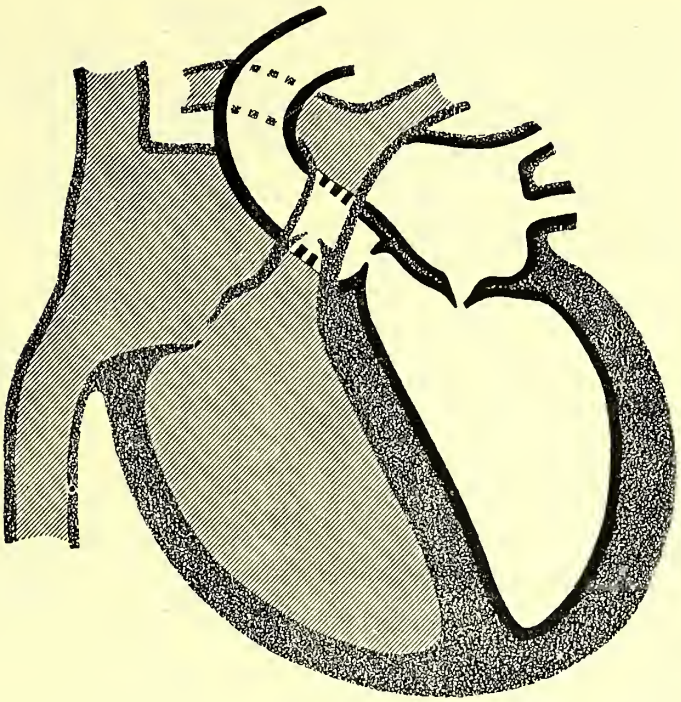

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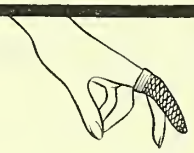

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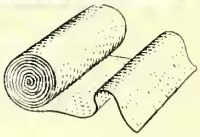

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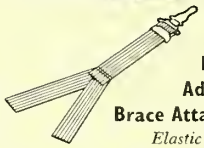

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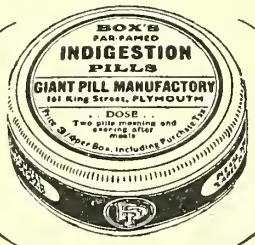

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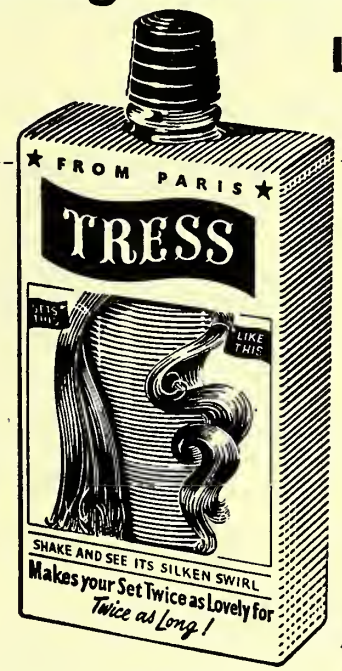

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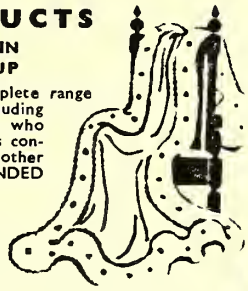

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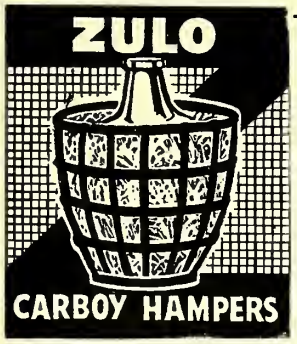

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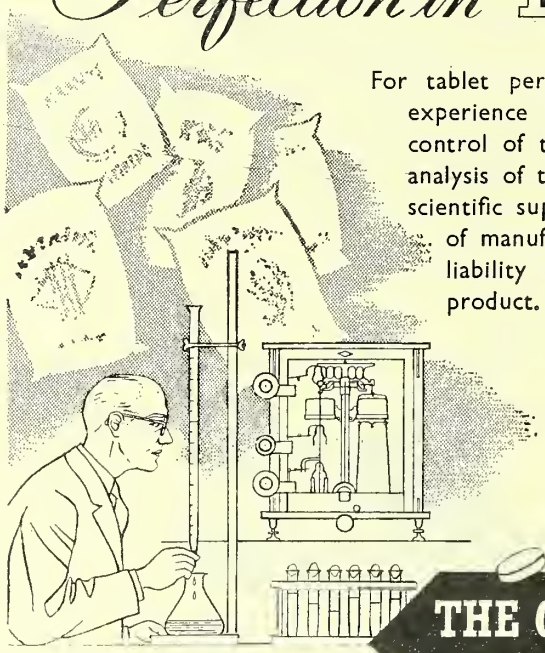

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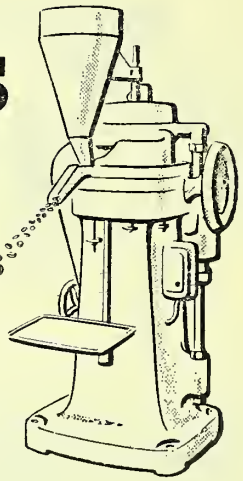

Tablets are our speciality: we can supply coated or uncoated: B.P., B.P.C., N.F., or to your own formula: bulk or packed.

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OLD FARM ROAD · WEST DRAYTON · MIDDLESEX
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By Appointment to the late King George VI

for THERMOS 2-pint flasks
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SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

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ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
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Join the Girl of the Year

. . the fairest of them all

IN THE YEAR'S GREATEST MERCHANDISING CAMPAIGN . .

Link your business to Hiltone's great merchandising campaign, the campaign for Hiltone that has created a new desire for fair hair. As sales increase, as blondes, red heads and, yes—brunettes too—turn to Hiltone to be beautifully fair, the opportunity for increased turnover and extra profit is yours for the taking.

Backing this powerful Hiltone sales drive featuring that great screen personality Marilyn Monroe and the film "Gentlemen Prefer Blondes", are attractive posters, full colour showcards, a nation-wide Hiltone " Beautiful Blonde " Competition and a great National Advertising Campaign that will appear continuously in all the large circulation newspapers and women's magazines.

Make a special point of recommending Hiltone to your customers — it's so easy to use, so safe, so sure — and reap the reward of increasing profits and enhanced goodwill.

MARILYN MONROE says

Gentlemen prefer blondes

and blondes prefer

New Hiltone

WITH THE CREAM FOAM ACTION

County Perfumery Company Ltd., Honeypot Lane, Stanmore, Middlesex. Tel: WORdsworth 4321

Enquiries invited for—

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BARBITURATES
QUINALBARBITONE SODIUM · CYCLOBARBITONE · PHEMITONE
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CLASSIFIED ADVERTISEMENTS
Supplement
28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE & COMPANY 184 STRAND, W.C.2
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CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL
BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF
Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. *Tel.: Belfast 27078*

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AN EXCEPTIONAL opportunity occurs for a pharmacist to purchase high-class drug store at a nominal figure. Large built-up area in Kent. Genuine inquiries only. A. S. Wolmark, Ltd., 231 Walworth Road, London, S.E.17. C 4846

MUST BE SOLD to clear estate. Drug stores. Suitable for conversion to pharmacy. Situated on main road, Bacup, Lancs. Double-fronted shop, nicely fitted with showcases, counters, drug drawers, dispensing screen and shelves, etc. Very clean stock, mostly packed lines. Very old established. Living accommodation. Low rateable value. First reasonable offer. Box C 4839.

PHARMACIST'S WIFE desires to dispose of well-established highly remunerative cosmetic manufacturing business with established postal clientele. Net profit at least £250 per annum. Would suit pharmacist or his wife or lady pharmacist. Total purchase price to include stock, plant, etc., £1,000. Further details from Box C 6492.

APPOINTMENTS

18/- per half-inch (min.) and pro rata. Box 2/-

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10

Senior Pharmacist

required to take charge of an up-to-date Sterile Products Department in a large general Hospital. Salary on Whitley Council scale, plus London Weighting. Applications, with full particulars, to Chief Pharmacist. C 6495

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10

Locum Tenens Senior Pharmacist

required. Salary up to £15 15s. per week according to experience. Apply to Chief Pharmacist immediately. C 6496

CITY OF BRADFORD HEALTH DEPARTMENT

Assistant Pharmacist, Maternity and Child Welfare Department

Applications are invited from suitably qualified persons for the above post.

Salary in accordance with the recommendation of the Pharmaceutical Whitley Council, namely £450 x £25—£575.

Application forms to be obtained from Medical Officer of Health, Town Hall, Bradford, to whom they should be returned within 14 days of the appearance of this advertisement.

W. H. LEATHEM,
Town Clerk.
C 6485

COUNTY HOSPITAL, LINCOLN

Locum Pharmacist

required at the County Hospital, Lincoln. Apply with full particulars to Group Pharmacist, County Hospital, Lincoln. C 180

CRUMPSALL HOSPITAL, MANCHESTER, 8 (Adult General, 1,225 Beds)

Pharmacist

Applications are invited from Pharmacists for the posts of Pharmacist at this Hospital. Salary and conditions of service as laid down by the Whitley Council.

Applications, giving age, nationality, details of experience, together with the names and addresses of two referees, are to be sent to the undersigned as soon as possible.

A. T. SAMPSON, Dept. "C.D.",
Group Secretary.
C 176

KING'S LYNN AREA HOSPITALS MANAGEMENT COMMITTEE

Pharmacist

Applications are invited for the appointment of Pharmacist, responsible to the Group Pharmacist at the

WEST NORFOLK & KING'S LYNN GENERAL HOSPITAL, KING'S LYNN,

from whom further particulars may be obtained. Modern, well-equipped department. There are prospects of promotion to Senior Pharmacist. The appointment is subject to the National Health Service Superannuation Regulations.

Applications, as soon as possible, to the Group Secretary, St. James' Hospital, King's Lynn. C 6457

LINCOLN NO. 1 HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist or Pharmacist

Applications are invited for the post of Senior Pharmacist or Pharmacist at the Lincoln County Hospital (Category III). This hospital is the centre for all the pharmaceutical work of the Group, which includes eleven other units and a good general experience can be gained here. The salary and conditions of service will be in accordance with the Whitley Council decisions.

Applications, stating age, qualifications and experience together with names for reference should be forwarded to the undersigned as soon as possible.

R. W. HOWICK,
Group Secretary.
C 177

MILLER GENERAL HOSPITAL, GREENWICH, S.E.10 (180 Beds)

Assistant in Dispensing

required at above hospital. Salary according to age and experience (max. £415 p.a. at 29 years) plus London Weighting and qualification allowance if over 18 years. Superannuable post. Apply Chief Pharmacist (Tel.: Tideway 1136). C 6497

THE LONDON HOSPITAL, WHITECHAPEL, E.1

Pharmacist

Vacancy for above. Applicants must be registered Pharmacists. Salary scale £450 (age 23) x £25 to £575 according to previous experience and service. Dining room facilities available. Write Secretary. C 179

SHREWSBURY GROUP 15 HOSPITAL MANAGEMENT COMMITTEE ROYAL SALOP INFIRMARY

Pharmacist

Applications are invited for the post of PHARMACIST in the Group Pharmacy at the Royal Salop Infirmary, with rota duties at other hospitals in the Group, as may be required. Salary will be in accordance with the Pharmaceutical Whitley Council Scale.

Applications should be sent to the undersigned from whom any further particulars may be obtained.

J. P. MALLETT,
Group Secretary.
C 6501

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1 (Post-graduate Teaching Hospital)

Pharmacist

Applications invited for the appointment of PHARMACIST at the above hospital, where there is a busy Pharmaceutical Department and a wide variety of experience is offered. Salary scale £450-£575 p.a., plus London Weighting. Age, qualifications, experience, names of two referees to Secretary. C 6491

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1

Pharmacist

Applications are invited for the post of pharmacist at this hospital. Salary within the Pharmaceutical Whitley Council Scale (£450 x £25—£575) plus London Weighting, £25 for recognised higher qualification. Apply by letter to Chief Pharmacist. C 166

TOOTING BEC HOSPITAL, LONDON, S.W.17

Pharmacist

Applications are invited for the appointment of Pharmacist (whole or part-time). National salary and conditions of service. Applications stating age, qualifications and experience, together with names of two referees to be sent to Physician Superintendent as soon as possible. C 6498

WARRINGTON GENERAL HOSPITAL (368 Beds)

Senior Pharmacist or Pharmacist

A Senior Pharmacist or Pharmacist is urgently required. The scale of salary for a Pharmacist is £450 x £25 to £575, Senior Pharmacist £525 x £25 to £625.

The Department caters for four other Hospitals and is at present undergoing alterations. The post is interesting and offers scope for a Pharmacist with initiative and enthusiasm.

Applications giving details of experience, etc., together with names of two referees should be sent to:—

H. L. BOOT,
Group Secretary.
Warrington and District Hospital
Management Committee,
c/o General Hospital,
Warrington, Lancs. C 6468

Appointments—Continued

THE MILLER GENERAL HOSPITAL (180 Beds) GREENWICH, S.E.10
Pharmacist
Applications are invited for the post of Pharmacist, permanent or locum tenens, in a well-equipped pharmaceutical department at the above hospital. Inspection of the department may be made by arrangement with Chief Pharmacist. Applications giving full details should be made to the Secretary G. & D./H.M.C., St. Alfege's Hospital, S.E.10, as soon as possible. C 6486

UNITED SHEFFIELD HOSPITALS, JESSOP HOSPITAL FOR WOMEN
Assistant in Dispensing (Female)
Applications are invited for the appointment of Assistant in Dispensing (Female). Certificate of the Society of Apothecaries is essential. Salary £335 p.a. at age 22, maximum £430 p.a. Residence can be provided within the hospital if required. Applications, stating age, experience, qualifications, together with the names of two referees should be made to the Superintendent, Jessop Hospital for Women, Sheffield, 3. C 6487

WEST MIDDLESEX HOSPITAL (Category V) (South West Middlesex Hospital Management Committee)
Pharmacist
required. Salary scale £450 x £25 to £575 plus London weighting. Higher qualification allowance £25 p.a. Whitley conditions applicable. Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 6450

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

BURGH HEATH. Wanted immediately, qualified assistant for busy family business in pleasant country district on North Downs. Flat available shortly. Suit recently qualified man. Please state salary required, age, experience and references to Townsend, Burgh Heath, Tadworth, Surrey. C 4872

DUDLEY DISTRICT. Pharmacist, lady or gentleman, to manage branch. £17 weekly. Competent staff. Superannuation scheme optional. No Sunday or half-day duty. Three weeks paid holiday, one outside summer season. Hours 9.30 to 7, except Saturday, 9.30 to 6. Close 1½ hours for lunch. Box C 4883.

EDMONTON. There is an excellent opportunity for a Pharmacist with initiative as branch manager in the above area. Good salary and commission, payment for all rota duties. Permanency with promotion prospects and pension fund. Applications, giving details of experience and stating when free for interview, to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4856

HULL. Pharmacist (either sex) required to manage city pharmacy from May. Attractive progressive post with good supporting staff. 6 p.m. closing, no half-day or Sunday duty. Salary £750 and commission. E. A. Brocklehurst, Ltd., 214 Willerby Road, Hull. C 4879

KENT. Pharmacist to take charge of dispensary in busy retail pharmacy. Vacancy occurs March. Permanent post. Salary £15 per week. Superannuation scheme. House if necessary. Box C 4888.

MANCHESTER (near). Experienced pharmacist required to manage branch business. Good salary and free living accommodation (on the premises). Full particulars to S. Gafan, Ltd., 11 Crofts Bank Road, Urmston. C 4887

MARBLE ARCH. Pharmacist required, preferably with West End experience to manage nicely fitted branch with high-class dispensing connection and counter trade, surgical fitting room, etc. A salary commensurate with experience plus commission will be paid to a suitable man. Apply giving details of experience and stating when free for interview to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4855

NEAR WANSTEAD. Chemist wanted four afternoons weekly (3 hours each). Duties entirely supervisory. £5 per week. Permanency. Above arrangement is somewhat flexible and open to alternative suggestions to Box C 4884.

NEWCASTLE-ON-TYNE. Experienced pharmacist, male or female, required urgently, as manager for high-class shop. Staff of eight. No rota duties. Saturday half-day. Superannuation optional. Apply giving full particulars. Brady & Martin, Ltd., Mosley Street, Newcastle-on-Tyne. C 4896

WELWYN GARDEN CITY. Applications are invited for the post of pharmacist. Top salary with commission. Superannuation scheme. Applications to Staff Manager, Fine-Fare, Ltd., Welwyn Garden City, Herts. C 4889

YOUNG LADY ASSISTANT required for general counter duties with thorough knowledge of toilet trade. Hours 9-6. Good salary for suitable applicant. Apply by letter giving details of experience to Garner & Pope, Ltd., 244 Haverstock Hill, Hampstead, N.W.3. C 4850

LOCUMS WANTED

LOCUM PHARMACISTS required for London and Suburban areas, long or short periods, February to October. Permanency at conclusion of tour if desired. Salary and expenses basis. Apply to H. Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4857

HULL. Locum pharmacist (either sex) required for three months, commencing June 21. No half-day or Sunday duties, 6 p.m. closing. Attractive salary and expenses. E. A. Brocklehurst, Ltd., 214 Willerby Road, Hull. C 4878

WHOLESALE

ALLEN & HANBURYS, LTD., Ware, Herts, require a young pharmacist for production work, previous production experience in aseptic pharmacy desirable but not essential. Salary commensurate with experience. Five-day week, superannuation. Applications in writing with details of age, qualifications and experience, to Personnel Manager. C 6462

COMMISSION REPRESENTATIVES with car wanted for internationally known toilet products also continental soap novelties, for all areas except London. Good commission and contribution towards car expenses. Write immediately stating connections and territory already covered. Box C 4845.

EVANS MEDICAL SUPPLIES, LTD., Ruislip, Middlesex, have a vacancy in the London area for a representative calling on retail pharmacists. Apply to General Manager, stating age, experience, etc. C 6503

EXPERIENCED REPRESENTATIVE with live connections among retail and wholesale chemists required by manufacturers of proprietary lines. Salary, commissions, expenses. Apply giving age, experience, etc. Box C 6458.

FOR LANCASHIRE (and perhaps Westmorland, etc.). Representative with thorough knowledge of wholesale drug trade, and good connection amongst retail pharmacists on this territory. Must be experienced salesman. Excellent remuneration. Car provided. Write for interview, giving particulars. Apply Box C 6479.

G. D. SEARLE & CO., LTD., 17 Manchester Street, London, W.1, pharmaceutical manufacturers of international standing, require representative possessing enthusiasm for service in Scotland and Northern Ireland. C 6510

GENTLEMAN to take charge of proprietary side in small progressive Manchester firm of wholesale chemists. Experienced in buying. Good knowledge of ethicals, proprietaries, toilets, etc. Competent retail man considered. State age, wage required and usual particulars. Apply Box C 6509.

JOHN BELL, HILLS & LUCAS, LTD., will have a vacancy starting April 1954 for a representative for Eastern Counties and parts of Beds, Bucks, Herts and Middlesex. Applications stating experience and age to Oxford Works, Worsley Bridge Road, London, S.E.26. C 4880

IMPERIAL CHEMICAL INDUSTRIES has a vacancy for a pharmacist for medical representative work. The territory includes part of South London and parts of some home counties South and West of London. Applicants should be aged 35 or under, salary according to age and experience. Applications with full particulars should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. C 6488

LABORATORY ASSISTANT, Inter. B.Sc. or equivalent, required for Midland chemical manufacturer's works control laboratory, to be responsible for preparation of all standard analytical solutions and able to carry out miscellaneous chemical analysis. First-class working conditions. Pension scheme. Apply in writing, stating age, training, experience and salary required to Box C 4899.

LABORATORY ASSISTANTS, female, required, some experience of analytical and/or bacteriological control work preferable. Matric. or Inter. standard desirable but not essential. Five-day week. Canteen facilities available. Roussel Laboratories, Ltd., 843/7 Harrow Rd., N.W.10. C 6466

MANUFACTURING CHEMISTS, dry drug counter hand wanted. 5-day week. State experience, age, and wages required. Apply: Dalmas, Ltd., Manufacturing Chemists, Leicester. C 6494

MANUFACTURING CHEMISTS in East Yorkshire require chemist for research laboratory. Pharmaceutical qualification. Experience in manufacturing an advantage. Progressive and permanent position for suitable applicant. Pension scheme available. Full particulars including age, copy references, salary suggested, in confidence, to Box C 6484.

MANUFACTURING MANAGER. Well-known manufacturing chemists in South-west Lancashire require a manufacturing manager (age 25-35). A Pharmacist (Ph.C. or B.Pharm.) or chemist (B.Sc. or A.R.I.C.) with some manufacturing experience preferred. Pension scheme and five-day week in operation. Apply with full details to Box C 4866.

MEDICAL REPRESENTATIVES: Applications are invited by Sandoz Products, Ltd., from young men wishing to become medical representatives in the territories of Bristol, London, N.E., London, N.W., and S. Wales. Age not exceeding 28. Applicants should be qualified pharmacists (Ph.C. preferably) or possess degree in science. Salary commensurate with experience. Thorough training provided. Please send full details of age, education, qualifications and experience, with photograph, to the Manager, Sandoz Products, Ltd., 134 Wigmore Street, London, W.1. C 6506

OLD-ESTABLISHED manufacturing chemists specialising in essential oils, essences, etc., require chemist for their research and manufacturing laboratories in East Yorkshire. Pharmaceutical qualifications essential and experience in pharmaceutical manufacture and analytical control desirable. Permanent position with commencing salary £850 to £1,000. Pension scheme available. Full particulars including age and copy references to Box C 6483.

PERFUMERY REPRESENTATIVE required for Wales. Live connection essential. Send full details to Grossmith, 45 Piccadilly, London. C 4897

PHARMACIST with a view to Works Managership required for small wholesale and manufacturing laboratory. Manufacturing experience essential; wholesale experience an advantage. Good organiser. Apply with full particulars of experience and salary required to the Managing Director, Biorex Laboratories, Ltd., 47-51 Exmouth Street, E.C.1. Phone: Terminus 5216. C 6500

PHARMACIST for small proprietary medicine business. Write giving age and experience. Interview by appointment. George Eade, Ltd., 232 Goswell Rd., London, E.C.1. C 175

PROCESSOR, senior, with view to foremanship, experienced wets and ointments, required, by wholesale and manufacturing chemists. Apply to Biorex Laboratories, Ltd., 47-51 Exmouth St., E.C.1. Phone: Terminus 5216. C 6493

QUALIFIED CHEMIST required as assistant to manager in manufacturing laboratories on south coast to understudy manager. Progressive position. Box C 6514.

SALES/REPRESENTATIVE, with established connections chemists and hospitals; drugs, dressings, proprietaries and chemists' sundries, car owner, unusual opportunity. Some London territories vacant. Apply to Biorex Laboratories, Ltd., 47-51 Exmouth Street, E.C.1. C 6511

SALES MANAGER

A progressive Scottish Company, with internationally known and established products, chiefly ethicals, is about to expand its activities, and requires a first-class Sales Manager.

A pharmaceutical qualification is desirable but not essential provided applicants have a good pharmaceutical background, together with sound experience in sales-promotion. Duties will be carried out from London.

Applications, which will be treated as confidential, should give age, details of career and previous experience, salary required, and should be addressed to the Managing Director. Apply Box C 6499.

PHARMACIST for ONTARIO, CANADA

Keen — Aggressive

To be Assistant Manager in Retail Pharmacy (Reference and Photograph required) Salary £1,160 per annum. With good chance for advancement and increased salary when accepted by the Ontario College of Pharmacy which takes approx. six (6) months for a British Pharmacist and twelve (12) months for a Pharmacist of N. Ireland. Apply:— Mr. S. Y. Marr, Standard Drug Limited, LONDON, Ontario, CANADA. C 4843

'UNISEC' *from the Single Unit to the Complete Pharmacy*
WRITE FOR YOUR COPY OF THE STANDARD REFERENCE OF PHARMACY FITTING
MYERS of OLD ST.
133/5 & 141/7 OLD STREET, LONDON, E.C.1

Situations Open—Continued

REPRESENTATIVE living in North Midlands required to take over wholesale connection in chemists' sundries, household items, etc.; considerable opportunity for further developments. Permanent progressive position with satisfactory salary plus commission and expenses. Applications by letter treated in strict confidence. State age and fullest details of experience. The Cannon Rubber Manufacturers, Ltd., Ashley Road, Tottenham, London, N.17. C 4895

SALES REPRESENTATIVE required to cover Southern counties for well-known cosmetic house. Applicants must have experience of calling on retail and wholesale chemists and departmental stores. Preference will be given to a man with knowledge of the trade. Car owner essential. The appointment is permanent and progressive, carrying salary, commission, hotel expenses and a generous car allowance. Write Box CD 920 L.P.E., 110 St. Martin's Lane, W.C.2. C 6490

SHARP & DOHME, LTD. Medical representative, South-west Wales. Applications are invited from pharmaceutical chemists or men with a good pharmaceutical and/or medical background to fill the above vacancy in South-west Wales, based in or near Swansea. Previous representative experience not essential as training will be given. Duties consist in calling on doctors, hospitals and chemists, and applicants should have a keen desire to make this type of work their career. The position is pensionable and offers scope for advancement. Apply: Sales Manager, Sharp & Dohme, Ltd., Hoddesdon, Herts. C 6504

SUNDRIES ASSEMBLERS and checkers. Vacancies for both at a new chemists' sundries warehouse in Colliers Wood, S.W.19. Applicants please state age, details of experience and when free for interview. Unichem, Ltd., 3 Broadwater Road, S.W.17. C 4893

TRAVELLER with good connection hospitals, health authorities, etc., to cover the West Country to sell recognised electrical equipment, hypodermic syringes, etc. Salary, commission, expenses, car allowance. Write details age, experience, connection and goods handled to Sales Manager, Box C.D.275, c/o 191 Gresham House, E.C.2. C 6513

WELL-KNOWN firm of manufacturing chemists require a mobile sales promotion executive who will be responsible for maintaining direct contact between retailers and manufacturer. An adaptable personality is essential and applicants should be based on London and between the ages of 25 and 30. The position will entail travel to any part of the country at short notice, and calls for complete reliability and trust. A salary of £1,000 per annum is envisaged, together with a car and all expenses paid. Those interested should apply in handwriting, giving the fullest details of experience to date, together with a personal history, all of which will be treated with the strictest confidence. Applications should be addressed to Box C 6489.

YOUNG PHARMACIST, male or female, required as assistant in general pharmaceutical manufacturing, ampoule and aseptic laboratories in the Birmingham area. Hospital experience an advantage but not essential. Five-day week. Pension scheme. House available if required. Apply giving full particulars including salary required to Box C 6467.

TABLET MAKER required in N.W. area with experience and able to take charge of small factory. Chemical experience an advantage. Good salary to right man and production bonus. Excellent prospects. Apply Box C 6478.

VETERINARY manufacturing chemists, with national connection with the qualified profession, wish to discuss representation on their behalf on a part-time or commission basis for the South-west and Southern Counties. Could be combined with other good class representation. Box C 6455.

WHOLESALE (OVERSEAS)

LONDON EXPORT manufacturing chemists and druggists, old established, require overseas sales representative for annual tours to Middle and Far East, starting and returning to London. Commencing salary, in the £600/£850 range will depend upon experience of the industry and of the export trade, but some knowledge of pharmaceuticals is essential. Full expenses are allowed and a contributory pension scheme is in operation. Strictest confidence observed for replies which should give fullest details of personal history and experience, and be sent to Box C 4898.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. Box 1/-

RETAIL (HOME)

A RELIABLE, trustworthy man, thirty years' all-round experience, seeks responsible position. Good salesman, dispenser, references. Unqualified, used to London West End and City. Box C 4862.

LEICESTER; Unqualified assistant, male (age 24), conscientious worker, used to heavy dispensing, some counter experience. Replies Box C 4868.

WHOLESALE

ANY RESPONSIBLE POSITION, over thirty years good all-round experience wholesale and retail, last ten buyer/manager, control staff. Excellent references. Energetic, unregistered. Apply Box C 4787.

FRENCH DOCTOR with English qualifications fluent in French and English desires to translate medical matter. Write Box C 4875.

PRICING wholesale or retail ethicals, drugs, patents, etc. Available week's time. Box C 4876.

REPRESENTATIVE, strong personal connection with wholesale and retail chemists, Notts, Derby, Lincs, Leicester. Is top salesman with present company; would consider offer from firm of repute. Clean licence. Apply Box C 4894.

REPRESENTATIVE, recently retired, chemists' sundries, good connection, London, S.E., S.W. and W. and Home Counties. Box C 4871.

REPRESENTATIVE with 20 years' experience calling on chemists and stores throughout Yorkshire desires change. Excellent connection. Age 41 years. Box C 4873.

YORKSHIRE AREA, energetic representative with 14 years' experience on the ground open to develop manufacturers' connection on commission basis. Box C 4653.

WHOLESALE (OVERSEAS)

EXPORT EXECUTIVES. Top flight salesman emigrating to Australia invites propositions from manufacturers of pharmaceutical specialities, toilet preparations, etc. Box C 4885.

AGENCIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENT WANTED for South London with option of purchase of small manufacturing business. Ring Hur 2808 Monday or Thursday evening after 7 p.m. C 4874

AGENTS with sound chemists' connections for sale of surgical dressings (S.T's) required by firm of manufacturers. State experience, age, lines carried. Box C 6459.

AGENTS offered exclusive lines for chemist trade and special terms. Please state area covered, approximate number of accounts and items already carried. Howard, 2 York Villas, Brighton. C 4886

AGENTS REQUIRED, well introduced with chemists to represent old-established nationally advertised hair beauty preparations in following territories: (a) South Midlands and Eastern Counties; (b) South West Country incl. Glos. Existing connection, very good commission and excellent prospects for first-class men able and willing to advance existing business. Write in confidence to Box C 4881.

AGENTS REQUIRED for all territories, by well-known manufacturers of paper towels, toilet rolls, etc. Must have good connection with wholesalers, co-operatives and multiples. Sole agencies for right men. Box AC 81768, Samson Clarks, 57-61 Mortimer St., London, W.1. C 157

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

Agencies—Continued

M.A.A.— The badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), 8 Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

WANTED. Commission agent with good connection with retail pharmacists. To promote the sale of pharmaceutical tablets in the Midlands. Apply Box C 6507.

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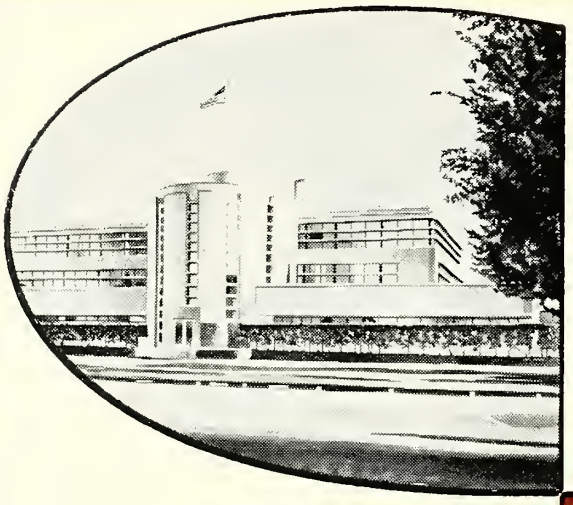

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